

File 349:PCT Fulltext 1983-2001/UB=20010301, UT=20010215

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File 348:EUROPEAN PATENTS 1978-2001/Feb W04

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Set	Items	Description
S1	306	ANALOG()MODEM?
S2	353223	TRANSMIT? OR TRANSM? OR SEND?
S3	364711	POWER OR ENERGY
S4	64866	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	581933	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	1164463	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	643989	LEVEL? OR AMOUNT? OR ALLOCATION
S8	133808	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	276	DIGITAL()MODEM?
S10	221	EQUIVALEN?(3N)CLASSES
S11	1942	S5(S)S6(S)S8(S) (S3 OR S4)
S12	28	S1(S)S2(S)S6
S13	48	S1(S)S9
S14	0	S11(S)S1
S15	21	S11(S)MODEM? ?
S16	4	S12(S)S3
S17	4	S13(S)S3
S18	74	MODEM? ?(S)S3(S)S8
S19	55	S18 NOT (S15 OR S16 OR S17)
S20	0	S19(S)S10
S21	8	S19(S)DIGITAL?

15/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00769760 \*\*Image available\*\*

**POWER CONTROL FOR DSL MODEMS IN SPLITTERLESS ENVIRONMENT**  
**CONTROLE DE PUISSANCE POUR MODEMS DSL DANS UN ENVIRONNEMENT EXEMPT DE**  
**REPARTITEUR**

Patent Applicant/Assignee:

CENTILLIUM TECHNOLOGY CORPORATION, 47211 Lakeview Boulevard, Fremont, CA  
94538, US, US (Residence), US (Nationality)

Inventor(s):

ZHENG Qingyi, 6277 Potrero Drive, Newark, CA 94560, US

LONG Guozhu, 39721 Potrero Drive, Newark, CA 94560, US

Legal Representative:

DE GUZMAN Arnold M, Fenwick & West LLP, Two Palo Alto Square, Palo Alto,  
CA 94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103322 A1 20010111 (WO 0103322)

Application: WO 2000US40308 20000705 (PCT/WO US0040308)

Priority Application: US 99346781 19990707

Designated States: AE AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6225

Fulltext Availability:

Detailed Description

Detailed Description

... handset of one of the customer telephone sets 114, 116, 118, off its hook, or **alternatively**, ATU-R modem 204 **detects** a fast retrain request signal from ATU-C modem 200. Processor 306 then begins to transmit the sixty four symbols in section 500A of the probe signal 500 at full **power** (0 dB reduction, i.e., nominal **power**). The probe signal 500 is distorted and reflected back to ATU-R modem 204 from customer telephone sets 114, 116, 118, as shown in Figure 2. The average **power** of the reflected distortion signal within the downstream frequency band (see, e.g., the second region 610 in Figure 6) is **measured** by processor 306. After **measuring** the average **power**, the next sixty-four symbols in section 500B are transmitted serially to customer telephone sets 114, 116, 118, at a reduced transmit **power** (e.g., -3 dB below nominal). This procedure repeats itself by sending consecutive sections of...

...having incrementally reduced transmit powers until the distortion levels for all different transmit levels are **measured** and the proper transmit **power** is determined, as described below with respect to Figure 7. In a preferred embodiment, the transmit **power** is incrementally reduced by -3 dB for each section (500A-500H) of probe signal 500...

15/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00769755 \*\*Image available\*\*

**CODED DOMAIN ADAPTIVE LEVEL CONTROL OF COMPRESSED SPEECH**  
**COMMANDE DE PAROLE COMPRISEE ADAPTATIVE DE NIVEAU A DOMAINE CODE**

Patent Applicant/Assignee:

TELLABS OPERATIONS INC, 4951 Indiana Avenue, Lisle, IL 60532, US, US

(Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:

CHANDRAN Ravi, 18082 East Courtland Drive, South Bend, IN 46637, US, US  
(Residence), US (Nationality), (Designated only for: US )

DUNNE Bruce E, 269 Batchelor Road, Niles, MI 49120, US, US (Residence),  
US (Nationality), (Designated only for: US )

MARCHOK Daniel J, 14984 West Clear Lake Road, Buchanan, MI 49107, US, US  
(Residence), US (Nationality), (Designated only for: US )

Legal Representative:

LARSON Ronald E, McAndrews Held & Malloy, Ltd., 34th Floor, 500 W.  
Madison, Chicago, IL 60661, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103317 A1 20010111 (WO 0103317)

Application: WO 2000US18293 20000630 (PCT/WO US0018293)

Priority Application: US 99142136 19990702

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17326

Fulltext Availability:

Detailed Description

Detailed Description

... 3] ITU-T Recommendation G.169 Draft 7, "Automatic Level Control  
Devices", July 1998.

In **modem** networks, speech signals are digitally sampled prior to  
transmission. Such digital (i.e. discrete-time...

...to in this specification as being in the linear domain or in linear  
mode. The **adjustment** of the speech levels in such linear domain signals  
is accomplished by multiplying every sample...

...depending on the type of end path in the network. If such echo has  
significant **power** and is not already cancelled by an echo canceller,  
then a double-talk **detector** may also be required. This is to ensure  
that the gain is not inadvertently increased...

15/3,K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00720537 \*\*Image available\*\*

**METHOD AND APPARATUS FOR REPLACING LOST PSTN DATA IN A PACKET NETWORK**  
**PROCEDE ET DISPOSITIF POUR REMPLACER DES DONNEES RTPC PERDUES DANS UN**  
**RESEAU A COMMUTATION PAR PAQUETS**

Patent Applicant/Assignee:

TELLABS OPERATIONS INC, 4951 Indiana Avenue, Lisle, IL 60532, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

KENNEY John B, 17658 Stockbridge Lane, Granger, IN 46530, US, US  
(Residence), US (Nationality), (Designated only for: US )

MAGILL Robert B, 1142 East South Street, South Bend, IN 46615, US, US  
(Residence), US (Nationality), (Designated only for: US )

SCHAFER R Michael, 17681 Stockbridge Lane, Granger, IN 46530, US, US  
(Residence), US (Nationality), (Designated only for: US )

Legal Representative:

NETHERY John F, McAndrews, Held & Malloy, Ltd., Suite 3400, 500 W.

Madison Street, Chicago, IL 60661, US  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200033499 A2 20000608 (WO 0033499)  
Application: WO 99US28801 19991203 (PCT/WO US9928801)  
Priority Application: US 98206191 19981204  
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 5691

Fulltext Availability:  
Detailed Description

#### Detailed Description

... and detecting a missing sequence number or by other means.

The register controller 308 independently **adjusts** the magnitude portions of the multi-bit registers 304 and may function under general micro...

...programmed control. As noted above, the magnitude of the multi-bit registers 304 may be **adjusted**, for example, depending on the desired output power level of the white noise. **Adjustment** typically occurs at call setup. One **power** level may be used for fax and **MODEM** calls, for example, while another **power** level may be used for voice data.

**Adjustment** may occur after call setup, for example, based on **measured** signal values.

The determination of call type (e.g., fax or voice) may come from...

15/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00636803

#### SPLITTERLESS MULTICARRIER MODEM

#### MODEM A PORTEUSES MULTIPLES SANS REPARTITEUR

Patent Applicant/Assignee:

AWARE INC, AWARE, INC. , 40 Middlesex Turnpike, Bedford, MA 01730 , US

Inventor(s):

GROSS Richard W, GROSS, Richard, W. , 21 Millett Street, Arlington, MA 02174 , US

GRESZCZUK John A, GRESZCZUK, John, A. , 18 Lowell Drive, Stow, MA 01775 , US

KRINSKY David M, KRINSKY, David, M. , 4 Ayer Road, Acton, MA 01720 , US

TZANNES Marcos, TZANNES, Marcos , 665 Lowell Street, Unit 453, Lexington, MA 02173 , US

TZANNES Michael A, TZANNES, Michael, A. , 17 Carley Road, Lexington, MA 02173 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9920027 A2 19990422

Application: WO 98US21442 19981009 (PCT/WO US9821442)

Priority Application: US 9761689 19971010

Designated States: AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR  
LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU  
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK  
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE  
SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 23055

Fulltext Availability:

Detailed Description

Detailed Description

... that used in the "on-hook state.

In selecting the desired power level, the transmitting **modem** signals the receiving **modem** in the communications-pair of the desired **change** (including the designation of a particular **power** level from among several **power** levels, where appropriate), and thereafter implements the **change**, including switching to a new parameter set associated with that **power** level. In another embodiment of the invention, the receiving **modem** detects the **power** level **change** at the transmitting **modem** and switches to a parameter set associated with that **power** level; upstream communications (i.e., from the ATU-R to the ATU-C) are thereafter conducted at the new **power** level until the disturbance event (e.g., off-hook condition, etc.) terminates.

While much of...

15/3,K/5 (Item 5 from file: 349)  
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00601493 \*\*Image available\*\*

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY COMMUNICATION**

**SYSTEME PROCEDE ET ARTICLE CONCERNANT POUR LES COMMUNICATIONS TELEPHONIQUES PAR RESEAU COMMUTE**

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION, MCI COMMUNICATIONS CORPORATION, 1133  
19th Street, N.W., Washington, DC 20036, US

Inventor(s):

ZEY David A, ZEY, David, A., 4208 Ragsdale Court, Fuquay-Varina, NC  
27526, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK

ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN

TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 175758

Fulltext Availability:

Detailed Description

Detailed Description

... to the Public Switched Network (PSTN) 1960 via gateway 1950. The gateway 1950 in a **preferred** embodiment provides a virtual connection from a circuit switched call in the PSTN 1960 and...long distance traffic.

The availability of higher speed Internet access from homes, such as cable **modems**, will make good quality consumer IP Telephony service more easily attained. The addition of video...to arrive at the appropriate destination, in this case either switch 230 or 231. An **alternative** embodiment of the hybrid network access incorporates the internet access facility into a switch 232...

...original DAP response and routes the call to the ISN 250 or directly to the **modem** pool 270 based on the routing information from the DAP 240. If the call were...

15/3,K/6 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00600228 \*\*Image available\*\*

**METHODS AND APPARATUS FOR CONTROLLING EARTH-STATION TRANSMITTED POWER IN A VSAT NETWORK**

**PROCEDES ET APPAREIL DE GESTION DE LA PUISSANCE TRANSMISE PAR UNE STATION TERRESTRE DANS UN RESEAU VSAT**

Patent Applicant/Assignee:

GENERAL ELECTRIC COMPANY, GENERAL ELECTRIC COMPANY , 1 River Road,  
Schenectady, NY 12345 , US

Inventor(s):

FLEMING Robert Fleming III, FLEMING, Robert, Fleming, III , 7408 Vinyard Court, Derwood, MD 20855 , US

CHECK William Alan, CHECK, William, Alan , 11104 Elmview Place, Great Falls, VA 22066 , US

CHISHOLM Joseph A, CHISHOLM, Joseph, A. , 12703 Landview Drive, Manassas, VA 20112 , US

GLINSMAN Brian James, GLINSMAN, Brian, James , 13119 Ladybank Lane, Herndon, VA 20171 , US

KIM David B, KIM, David, B. , 9700 Locust Hill Drive, Great Falls, VA 22066 , US

KRONZ Ronald L, KRONZ, Ronald, L. , 12413 Alexander Cornell Drive, Fairfax, VA 22033 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9845964 A1 19981015

Application: WO 98US7032 19980407 (PCT/WO US9807032)

Priority Application: US 9742835 19970409; US 9850972 19980331

Designated States: BR CN IL JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 9252

Fulltext Availability:

Detailed Description

Detailed Description

... commissioning. The VSAT 20 then adjusts the desired inbound power level accordingly. In this procedure, **changes** in the received outbound Eb/NO level are **measured** by the VSAT RIF **modem** demodulator circuits, and are available immediately and on a continuous basis (assuming the VSAT is locked to the downlink outbound signal). The VSAT RIF **modem** 's **measurement** of the outbound Eb/NO will have an accuracy that is dependent on the actual Eb/NO level--the higher the actual Eb/NO, the more accurate the **measurement** will be. In the preferred embodiment, the outbound Eb/NO measurements will be updated by...

15/3,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00577375

**A COMMUNICATION SYSTEM ARCHITECTURE**

**SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE COMMUNICATION**

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION, MCI COMMUNICATIONS CORPORATION , 1133

19th Street, N.W., Washington, DC 20036 , US

Inventor(s):

ELLIOTT Isaac K, ELLIOTT, Isaac, K. , 3855 Orchard Drive, Colorado Springs, CO 80920 , US  
STEELE Rick D, STEELE, Rick, D. , 6314 Dessbury Drive, Colorado Springs, CO 80918 , US  
GALVIN Thomas J, GALVIN, Thomas, J. , 1085 Milstead Drive, Hiawatha, IA 52233 , US  
LAFRENIERE Lawrence L, LAFRENIERE, Lawrence, L. , 3220 Brunswick Drive, Colorado Springs, CO 80920 , US  
KRISHNASWAMY Sridhar, KRISHNASWAMY, Sridhar , 7312 Beckett Drive, N.E., Cedar Rapids, IA 52402 , US  
FORGY Glen A, FORGY, Glen, A. , 19 Montrose Avenue, Iowa City, IA 52245 , US  
REYNOLDS Tim E, REYNOLDS, Tim, E. , 3123 Juniper Drive, Iowa City, IA 52245 , US  
SOLBRIG Erin M, SOLBRIG, Erin, M. , 3405 Guadalajara Road, S.W., Cedar Rapids, IA 52404 , US  
CERF Vinton, CERF, Vinton , 3614 Camelot Drive, Annadale, VA 22003 , US  
GROSS Phil, GROSS, Phil , 20331 Cockerill Road, Purcellville, VA 22132 , US  
DUGAN Andrew J, DUGAN, Andrew, J. , 2025 Tabor Court, Colorado Springs, CO 80919 , US  
SIMS William A, SIMS, William, A. , 4930 Townsend Drive, Colorado Springs, CO 80922 , US  
HOLMES Allen, HOLMES, Allen , 5375 Chambrey Court, Colorado Springs, CO 80919 , US  
SMITH Robert S II, SMITH, Robert, S., II , 5045 Dorset Lane, Suwanee, GA 30174 , US  
KELLY Patrick J III, KELLY, Patrick, J., III , 2710 Briarhurst Drive, Houston, TX 77057 , US  
GOTTLIEB Louis G, GOTTLIEB, Louis, G. , 6639 Foxdale Circle, Colorado Springs, CO 80919 , US  
COLLIER Matthew T, COLLIER, Matthew, T. , 12983 Thistlethorn Drive, Herndon, VA 20171 , US  
WILLE Andrew N, WILLE, Andrew, N. , 3380 Oriole Court, N.E., Cedar Rapids, IA 52401 , US  
RINDE Joseph, RINDE, Joseph , 7706 Fontaine Street, Potomac, MD 20854 , US  
LITZENBERGER Paul D, LITZENBERGER, Paul, D. , 420 West Oak Street, Wylie, TX 75098 , US  
TURNER Don A, TURNER, Don, A. , 4204 Magnolia Drive, McKinney, TX 75070 , US  
WALTERS John J, WALTERS, John, J. , 2601 Lexington, McKinney, TX 75070 , US  
EASTEP Guido M, EASTEP, Guido, M. , 3005 Saint Germain Drive, McKinney, TX 75070 , US  
MARSHALL David D, MARSHALL, David, D. , 1008 Serenade Lane, Richardson, TX 75081 , US  
PRICE Ricky A, PRICE, Ricky, A. , 2991 Hillingdon Drive, Richardson, TX 75082 , US  
SALEH Bilal A, SALEH, Bilal, A. , 1205 E. Camp McDonald Road, Prospect Heights, IL 60070 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528  
Application: WO 97US21174 19971114 (PCT/WO US9721174)  
Priority Application: US 96751203 19961118; US 96751668 19961118; US 96752271 19961118; US 96758734 19961118; US 96751209 19961118; US 96751661 19961118; US 96752236 19961118; US 96752487 19961118; US 96752269 19961118; US 96751923 19961118; US 96751658 19961118; US 96752552 19961118; US 96751933 19961118; US 96751663 19961118; US 96746899 19961118; US 96751915 19961118; US 96752400 19961118; US 96751922 19961118; US 96751961 19961118

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD

TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 188452

Fulltext Availability:

Detailed Description

#### Detailed Description

... Personal Computer (PC) to out-of-network Phone Information call flow in accordance with a **preferred** embodiment. In this call flow, the use of the PSYN is avoided by routing the...are utilized to perform digital transcoding, DTMF detection, voice recognition, call progress, VRU functions and **Modem** functions.

XI. TELECOMMUNICATION NETWORK MANAGEMENT A preferred embodiment utilizes a network management system for a...

15/3,K/8 (Item 8 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00547109 \*\*Image available\*\*

#### COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

#### SYSTEME DE COMMUNICATION A TRANSPORT TELEPHONIQUE PAR ONDES PORTEUSES MULTIPLES

Patent Applicant/Assignee:

ADC TELECOMMUNICATIONS INC, ADC TELECOMMUNICATIONS, INC. , 4900 West 78th Street, Bloomington, MN 55435 , US

Inventor(s):

DAPPER Mark J, DAPPER, Mark, J. , 6558 Baywood Lane, Cincinnati, OH 45224 , US

GEILE Michael J, GEILE, Michael, J. , 316 Miami Valley Drive, Loveland, OH 45140 , US

HILL Terrance J, HILL, Terrance, J. , 1765 Garrett House Lane, Fairfield, OH 45014 , US

ROBERTS Harold A, ROBERTS, Harold, A. , 7017 Beacon Circle, Eden Prairie, MN 55346 , US

ANDERSON Brian D, ANDERSON, Brian, D. , 11430 &shy; 50th Place North, Plymouth, MN 55442 , US

BREDE Jeffrey, BREDE, Jeffrey , 8073 Curtis Lane, Eden Prairie, MN 55347 , US

WADMAN Mark S, WADMAN, Mark, S. , 4416 Fairfax Hills Drive, Plano, TX 75024 , US

KIRSCHT Robert J, KIRSCHT, Robert, J. , 13106 Vernon Avenue South, Savage, MN 55378 , US

HERRMANN James J, HERRMANN, James, J. , 1894 Sunrise Court, Eagan, MN 55122 , US

FORT Michael J, FORT, Michael, J. , 1045 Northview Park, Eagan, MN 55123 , US

BUSKA Steven P, BUSKA, Steven, P. , 13370 Stanton Drive, Minnetonka, MN 55305 , US

SOLUM Jeff, SOLUM, Jeff , 4900 West 78th Street, Bloomington, MN 55435 , US

ENFIELD Debra Lea, ENFIELD, Debra, Lea , 464 Ridge Court, Chaska, MN 55318 , US

BERG Darrell, BERG, Darrell , 4900 West 78th Street, Bloomington, MN 55435 , US

SMIGELSKI Thomas, SMIGELSKI, Thomas , 230 Waterford Drive, Lake Zurich, IL 60047 , US

TUCKER Thomas C, TUCKER, Thomas, C. , 205 Silver Creek Trail, Chapel Hill, NC 27514 , US

HALL Joe, HALL, Joe , 4900 West 78th Street, Bloomington, MN 55435 , US

LOGAJAN John M, LOGAJAN, John, M. , 4248 Hamline Avenue, Arden Hills, MN 55112 , US

BOUALOUANG Somvay, BOUALOUANG, Somvay , 4900 West 78th Street, Bloomington, MN 55435 , US



LOU Heng, LOU, Heng , 4900 West 78th Street, Bloomington, MN 55435 , US  
ELPERS Mark D, ELPERS, Mark, D. , 16303 205th Avenue, N.W., Elk River, MN  
55330 , US

DOWNS Matt, DOWNS, Matt , 1535 Mathias Place, Rohnert Park, CA 94928 , US  
FERRIS Tammy, FERRIS, Tammy , 4900 West 78th Street, Bloomington, MN  
55435 , US

OPOCZYNSKI Adam, OPOCZYNSKI, Adam , 3705 Roxbury Lane, Plano, TX 75025 ,  
US

RUSSELL David S, RUSSELL, David, S. , 5145 Luverne Avenue, Minneapolis,  
MN 55419 , US

NELSON Calvin G, NELSON, Calvin, G. , 26190 Birch Bluff Road, Excelsior,  
MN 55331 , US

SAMANT Niranjan R, SAMANT, Niranjan, R. , 229 Ridgefield Drive,  
Middletown, CT 06547 , US

CHIAPPETTA Joseph F, CHIAPPETTA, Joseph, F. , 6 Ranch Drive, Trumbull, CT  
06611 , US

SARNIKOWSKI Scott, SARNIKOWSKI, Scott , P.O. Box 5223, Santa Clara, CA  
95056 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9748197 A2 19971218

Application: WO 97US8533 19970520 (PCT/WO US9708533)

Priority Application: US 96650408 19960520; US 96673002 19960628

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE  
LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 81753

Fulltext Availability:

Detailed Description

Detailed Description

... the synchronization channels is corrupted. The HDT monitors one  
channel for every ISU.

The MCC **modem** 82 **detects** a valid signal and performs an amplitude  
level **measurement** on a received signal from the ISU. The  
synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude  
level is compared to a **desired** reference **level** . The CXMC 80  
determines whether or not the transmit level of the ISU 100 should be  
**adjusted** and the amount of such **adjustment** . If **level adjustment** is  
**required** , the CXMC 80 transmits a message on the downstream IOC channel  
instructing the CXSU 102 of the ISU 100 to **adjust** the **power** level of  
the transmitter of the ISU **modem** 101. The CXMC 80 continues to check  
the receive **power** level from the ISU 100 and provides **adjustment**  
commands to the ISU 100 until the level transmitted by the ISU 100 is  
acceptable. The amplitude is **adjusted** at the ISU as previously  
discussed. If amplitude equilibrium is not reached within a certain  
number of iterations of amplitude **adjustment** or if a signal presence is  
never **detected** utilizing the primary synchronization channel then the  
same process ...channel. If amplitude equilibrium is not reached within  
a certain number of iterations of amplitude **adjustment** or if a signal  
presence is never **detected** utilizing the primary or redundant  
synchronization channels then the ISU is reset.

Once transmission level...

15/3,K/9 (Item 9 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00525860 \*\*Image available\*\*

COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT  
SYSTEME DE COMMUNICATION AVEC TRANSMISSION TELEPHONIQUE PAR PORTEUSES  
MULTIPLES

Patent Applicant/Assignee:

ADC TELECOMMUNICATIONS INC  
DAPPER Mark J  
GEILE Michael J  
HILL Terrance J  
ROBERTS Harold A  
ANDERSON Brian D  
BREDE Jeffrey  
WADMAN Mark S  
KIRSCHT Robert J  
HERRMANN James J  
FORT Michael J  
BUSKA Steven P  
SOLUM Jeff  
ENFIELD Debra Lea  
BERG Darrell  
SMIGELSKI Thomas  
TUCKER Thomas C  
HALL Joe  
LOGAJAN John M  
BOUALOUANG Somway  
LOU Heng  
ELPERS Mark D  
DOWNS Matt  
FERRIS Tammy  
OPOCZYNSKI Adam  
RUSSELL David S

Inventor(s):

DAPPER Mark J  
GEILE Michael J  
HILL Terrance J  
ROBERTS Harold A  
ANDERSON Brian D  
BREDE Jeffrey  
WADMAN Mark S  
KIRSCHT Robert J  
HERRMANN James J  
FORT Michael J  
BUSKA Steven P  
SOLUM Jeff  
ENFIELD Debra Lea  
BERG Darrell  
SMIGELSKI Thomas  
TUCKER Thomas C  
HALL Joe  
LOGAJAN John M  
BOUALOUANG Somway  
LOU Heng  
ELPERS Mark D  
DOWNS Matt  
FERRIS Tammy  
OPOCZYNSKI Adam  
RUSSELL David S

Patent and Priority Information (Country, Number, Date):

Patent: WO 9727550 A2 19970731  
Application: WO 97US1444 19970124 (PCT/WO US9701444)  
Priority Application: US 9610497 19960124; US 9610506 19960124; US  
96673002 19960628

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE HU IL KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM  
AZ BY KG KZ MD TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF  
BJ CF CG CI CM ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 81849

Fulltext Availability:  
Detailed Description

Detailed Description

... the synchronization channels is corrupted. The HDT monitors one channel for every ISU.

The MCC **modem** 82 **detects** a valid signal and performs an amplitude level **measurement** on a received signal from the ISU. The synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude level is compared to a **desired** reference level . The CXMC 80 determines whether or not the transmit level of the ISU 100 should be **adjusted** and the amount of such **adjustment** . If level **adjustment** is **required** , the CXMC 80 transmits a message on the downstream IOC channel instructing the CXSU 102 of the ISU 100 to **adjust** the **power** level of the transmitter of the ISU **modem** 101. The CXMC 80 continues to check the receive **power** level from the I SU 100 and provides **adjustment** commands to the ISU 100 until the level transmitted by the ISU 100 is acceptable. The amplitude is **adjusted** at the ISU as previously discussed. If amplitude equilibrium is not reached within a certain number of iterations of amplitude **adjustment** or if a signal presence is never **detected** utilizing the primary synchronization channel then the same process is used on the redundant synchronization ...channel. If amplitude equilibrium is not reached within a certain number of iterations of amplitude **adjustment** or if a signal presence is never **detected** utilizing the primary or redundant synchronization channels then the ISU is reset.

Once transmission level...

15/3,K/10 (Item 10 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00446965

**CONTROLLING TRANSMITTER GAIN IN A WIRELESS TELECOMMUNICATIONS SYSTEM**  
**REGULATION DU GAIN D'UN EMETTEUR DANS UN SYSTEME DE TELECOMMUNICATIONS SANS**  
**FIL**

Patent Applicant/Assignee:

DSC COMMUNICATIONS CORPORATION

Inventor(s):

LEA Raymond Gavin

LYSEJKO Martin

Patent and Priority Information (Country, Number, Date):

Patent: WO 9638935 A1 19961205

Application: WO 96US8519 19960603 (PCT/WO US9608519)

Priority Application: GB 9510870 19950602; GB 9513912 19950707

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IL IS JP KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT  
RO RU SD SE SG TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ  
MD RU TJ TM AT DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
CM GA GN ML MR TD TG

Publication Language: English

Fulltext Word Count: 5246

English Abstract

...telecommunications system (1) includes an analog card (206) that combines inputs from a plurality of **modem** units (204) for a plurality of downlink communication paths. The analog card (206) generates a...

...the composite transmit signal (214) for radio frequency transmission from the central terminal (10). A **power** amplifier (218) in a combining shelf (201) amplifies the composite transmit signal (214) to a **desired**

transmitting level . A **detector** (240) **measures** a **power** output of the **power** amplifier (218). The **power** output **measurement** determined by the **detector** (240) is collected by a combiner monitor (222) and delivered to a shelf controller (210) of the **modem** shelf (200). The shelf controller (210) provides the **power** output **measurement** to the analog card (206). The analog card (206) compares the **power** output **measurement** to **power** estimates of the inputs from the **modem** units (204). The analog card (206) generates an **adjustment** signal (242) to control the **power** output from the **power** amplifier (218) by **adjusting** a gain of the radio frequency card in accordance with the comparison.

15/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00429236

**METHOD OF COMMUNICATION CHANNEL MONITORING USING PARITY BITS**

**PROCEDE DE CONTROLE DE CANAUX DE TELECOMMUNICATIONS UTILISANT DES BITS DE PARITE**

Patent Applicant/Assignee:

ADC TELECOMMUNICATIONS INC

Inventor(s):

ANDERSON Brian D

ROBERTS Harold A

BREDE Jeffrey

BUSKA Steven P

Patent and Priority Information (Country, Number, Date):

Patent: WO 9624995 A2-A3 19960815

Application: WO 96US1606 19960206 (PCT/WO US9601606)

Priority Application: US 95384659 19950206; US 95457295 19950601

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO

RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ

TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML

MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 31489

Fulltext Availability:

Detailed Description

Detailed Description

... synchronization can still be accomplished if one of the synchronization channels is corrupted.

The MCC **modem** 82 **detects** a valid signal and performs an amplitude level **measurement** on a received signal from the ISU. The synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude level is compared to a **desired** )0 reference **level** . The CXMC 80 determines whether or not the transmit level of the ISU 100 should be **adjusted** and the amount of such **adjustment** . If **level adjustment** is **required** . the ...message on the downstream IOC channel instructing the CXSU 102 of the ISU 100 to **adjust** the **power** level of the transmitter of the ISU **modem** 101. The CXMC 80 continues to check the receive **power** level from the ISU 100 and provides **adjustment** commands to the ISU 100 until the level transmitted by the ISU 5 100 is acceptable. The amplitude is **adjusted** at the ISU as previously discussed. If amplitude equilibrium is not reached within a certain number of iterations of **amplitude adjustment** or if a signal presence is never **detected** utilizing the primary synchronization channel then the same process is used on the redundant synchronization channel. If amplitude equilibrium is not reached within a certain number of iterations of **amplitude adjustment** or if a signal presence is never **detected** utilizing the primary or redundant synchronization channels then the ISU is reset.

Once transmission level...

15/3,K/12 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00429230 \*\*Image available\*\*

**MULTI-POINT TO POINT COMMUNICATION SYSTEM**  
**SYSTEME DE TELECOMMUNICATIONS MULTIPOINT A POINT**

Patent Applicant/Assignee:

ADC TELECOMMUNICATIONS INC

Inventor(s):

DAPPER Mark J  
GEILE Michael J  
HILL Terrance J  
ROBERTS Harold A  
ANDERSON Brian D  
BREDE Jeffrey  
WADMAN Mark S  
KIRSCHT Robert J  
HERRMANN James J  
FORT Michael J  
BUSKA Steven P

Patent and Priority Information (Country, Number, Date):

Patent: WO 9624989 A2-A3 19960815

Application: WO 96US1575 19960206 (PCT/WO US9601575)

Priority Application: US 95384659 19950206; US 95457317 19950601

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO

RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ

TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML

MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 41564

Fulltext Availability:

Detailed Description

Detailed Description

... synchronization can still be accomplished if one of the  
synchronization channels is corrupted.

The MCC modem 82 detects a valid signal and performs an amplitude  
level measurement on a received signal from the ISU. The  
synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude  
level is compared to a desired reference level. The CXMC 80  
determines whether or not the transmit level of the ISU 100 should be  
adjusted and the amount of such adjustment. If level adjustment  
is required, the CXMC 80 transmits a message on the downstream IOC  
channel instructing the CXSU 102 of the ISU 100 to adjust the power  
level of the transmitter of the ISU modem 101. The CXMC 80 continues to  
check the receive power level from the ISU 100 and provides adjustment  
commands to the ISU 100 until the level transmitted by the ISU 100 is  
acceptable. The amplitude is adjusted at the ISU as previously  
discussed. If amplitude equilibrium is not reached within a certain  
number of iterations of amplitude adjustment or if a signal presence is  
never detected utilizing the primary synchronization channel then the  
same process is used on the redundant synchronization channel. If  
amplitude equilibrium is not reached within a certain number of  
iterations of amplitude adjustment or if a signal presence is never  
detected utilizing the primary or redundant synchronization channels  
then the ISU is reset.

Once transmission level...

15/3,K/13 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00365525

**IMPROVED FEATURES FOR A TELECOMMUNICATIONS DISPLAY SYSTEM**  
**CARACTERISTIQUES AMELIOREES POUR UN SYSTEME D'AFFICHAGE DE SYSTEME DE**  
**TELECOMMUNICATIONS**

Patent Applicant/Assignee:

RADISH COMMUNICATIONS SYSTEMS INC  
DAVIS Richard A  
WITMORE Ronald K  
FETTE Charles J  
MATHYS Peter  
BRITTAINE Anthony J

Inventor(s):

DAVIS Richard A  
WITMORE Ronald K  
FETTE Charles J  
MATHYS Peter  
BRITTAINE Anthony J

Patent and Priority Information (Country, Number, Date):

Patent: WO 9426056 A1 19941110  
Application: WO 94US4893 19940502 (PCT/WO US9404893)  
Priority Application: US 9356526 19930430

Designated States: AU CA JP KR US US US AT BE CH DE DK ES FR GB GR IE IT LU  
MC NL PT SE

Publication Language: English

Fulltext Word Count: 33325

Fulltext Availability:

Claims

Claim

... first relay switch 220 is for connecting and disconnecting the subscriber telephone 12 and the **modem** IC 222 to and from the telephone line 52 in response to control ...Erowers AN,, Sawma Clara, California 95051. 'When the relay switch 220 is switched to its **alternate** broken-line position, signals are rerouted via connections 38 and 258 and summing device 260 to the RMIT contact of the **modem** IC 222. The subscriber's telephone 12 is also connected by line 22, a second...

...response to a control signal from the microcontroller 230 as indicated by connection 253 to **alternately** connect and disconnect the telephone network 50 via directional coupler 226 and connection 228 and to connect and disconnect the tone generator/local **power** source 232 to and from the subscriber's telephone 12. A third relay switch 234 is provided to connect and disconnect a ring **detector** 236 and the microcontroller 230 Mm. the internal telephone connections 224, 228 and directional coupler ...

15/3,K/14 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00316340

**APPARATUS AND METHOD FOR CONTROLLING TRANSMITTED POWER OF A MODEM**  
**APPAREIL ET PROCEDURE DESTINEES A COMMANDER LA PUISSANCE TRANSMISE D'UN MODEM**

Patent Applicant/Assignee:

GENERAL DATACOMM INC

Inventor(s):

GOLDSTEIN Yuri

Patent and Priority Information (Country, Number, Date):

Patent: WO 9303561 A1 19930218  
Application: WO 92US6026 19920717 (PCT/WO US9206026)  
Priority Application: US 91736088 19910726  
Designated States: AU CA JP KR AT BE CH DE DK ES FR GB GR IT LU MC NL SE  
Publication Language: English  
Fulltext Word Count: 8477

Fulltext Availability:  
Detailed Description

#### English Abstract

The preferred method comprises **measuring** the signal/noise ratio and intermodulation distortion (IMD) relating to signals being transmitted over a channel (25) and **adjusting** the transmitting power of the transmitting **modem** (209) below a maximum permissible power in response to the **measurements** in order to reduce the error rate of the data transmission, the error rate being...

...function of both the signal/noise ratio and the IMD. Theoretically, the power can be **adjusted** to an optimal level, as the decrease in power increases the error rate due to...

...preferred manner of determining the final power level to be utilized is to calibrate a **modem** according to the techniques (e.g., Treillis precoding, etc.) it utilizes, and to utilize a look-up table for that **modem** to identify the **desired power level** based on the **measured** signal/noise ratio and the **measured** IMD. A second preferred manner is to decrease the signal **power** according to a formula which is a function of the third harmonic IMD.

#### Detailed Description

... power level should be can be utilized. A first preferred scheme is to calibrate a **modem** according to the techniques (e.g., Treillis precoding, etc.) it utilizes, and to utilize a look-up table for that **modem** to identify the desired power level based on the measured signal/noise ratio and the...

...the desired power level, or a corrective signal would be sent back to Me transmitting **modem**. A fourth scheme is to **measure** the quality of points in a constellation, to send a corrective signal back to **adjust** the **power**, and to iterate until a threshold is met or an optimum is found.

Numerous other...corrective signal (e.g., decrease a 4dB from maximum) must be sent by the receiving **modem** back to the transmitting **modem**. Those skilled in the art will appreciate that the transfer of information from the receiving **modem** to the sending (transmitting) **modem** for indicating the appropriate **power** level for operating over the particular channel being utilized can be accomplished in numerous ways...

...during probing, or " other times during the handshake and/or transfer of data. In fact, if **measurements** are made at intervals or continuously during data transmission, and appropriate information is sent ba" to Me transmitting **modem**, the system can adapt to **changes** in the channel which might occur Wring data transmission.

A third scheme for adjusting the...

15/3,K/15 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00313839

METHOD AND APPARATUS FOR EFFECTING EFFICIENT TRANSMISSION OF DATA  
PROCEDE ET APPAREIL PERMETTANT D'EFFECTUER UNE TRANSMISSION DE DONNEES  
PERFORMANTE

Patent Applicant/Assignee:

MICROCOM SYSTEMS INC

Inventor(s):

KLOC Dennis

CAREY Richard A

Patent and Priority Information (Country, Number, Date):

Patent: WO 9300751 A1 19930107

Application: WO 92US5347 19920624 (PCT/WO US9205347)

Priority Application: US 91720638 19910625

Designated States: AU CA JP KR AT BE CH DE DK ES FR GB GR IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 6919

Fulltext Availability:

Claims

Claim

... 203 of Fig.

27 6. If however, updated values can be determined, they are 28  
**adjusted** at steps 302 and 303 by the microprocessor. If, 29 for example,  
the initial transmit...

...is determiend at step 302 34 based on the AGC value received form the  
other **modem** and the current transmit **power** level. In addition, the  
minimum 36 transmits **power** level at which the noise floor will not 37  
interfere with the data transmission is...

...SHEET 1 303 based on the AGC and EQM value received from the other 2  
**modem** and current transmit **power** level. Given the two 3 **measurements**  
, the microprocessor utilizes an empirically 4 determined table, shown in  
Appendix A to **adjust** the signal strength (**power** level) of the  
transmitted signal at step 6 302 based on one of the two **measurements**  
made at steps 302 7 and 303. The values in the table of Appendix A have  
been 8 empirically determined. As to which **measurement** is used to 9 set  
the next **power** level will depend of the EQM value. If the EQM value  
indicates a high noise...

...the 11 processor will utilize the data acquired at step 303 to set 12  
the **power** transmit level from the table of Appendix A, as 13 indicated  
at step 306. If...

...level at step 304, the microprocessor proceeds to step 305 and  
calculates the new 16 **power** level based on the AGC number from the  
table of 17 Appendix A. In either...

...has been received. If the fall back 23 command is received, indicating  
that the remote **modem** has 24 decided to downshift so that the current  
**modem** will receive data at a slower rate, the microprocessor will  
provide an 26 acknowledgement at step 204. The **modem** will first update  
27 the **power** level at which the **modem** will transmit at step 28 206  
before proceeding to step 207 where the modulation rate 29 is actually  
**changed** to the next lower rate. At step 208 the system checks to insure  
the downshift is successful, 31 and if so the **modem** proceeds to step  
105 of Fig. 5. If, 32 however, the **modem** is not successful at step 208,  
the **modem** 33 proceeds to step 205 to again try a fall back to a slower  
34...

...If successful at step 205, the system returns to step 206. However, if  
not, the **modem** proceeds 36 to disconnect.

15/3,K/16 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00937684

Portable computer with modem connection to docking station

Tragbare Computer mit Modemanschluss an einer Andockstation

Ordinateur portable avec connexion modem vers une station de couplage

PATENT ASSIGNEE:

Compaq Computer Corporation, (687792), 20555 S.H. 249, Houston Texas  
77070, (US), (Applicant designated States: all)

INVENTOR:

Tran, Huyan B., 12906 Magnolia Leaf Street, Houston, Texas 77065, (US)

Castell, Robin T., 6703 River Mill Drive, Spring, Texas 77329, (US)

LEGAL REPRESENTATIVE:

Brunner, Michael John et al (28871), GILL JENNINGS & EVERY Broadgate  
House 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 853414 A2 980715 (Basic)  
EP 853414 A3 991117

APPLICATION (CC, No, Date): EP 97310654 971230;

PRIORITY (CC, No, Date): US 775593 961231

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04M-011/06

ABSTRACT WORD COUNT: 197

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9829	465
SPEC A	(English)	9829	3090
Total word count - document A			3555
Total word count - document B			0
Total word count - documents A + B			3555

...SPECIFICATION manufactured which use only 3.3V DC internally.

Referring now to Figure 2, a typical **modem** module or board 25 contains a phone jack 26 of the RJ-11 type, like...

...two wires carry the incoming and outgoing analog telephone signals, the ring signal, and the **power** which operates the telephone set itself in some traditional phone installations. The voltages occurring on...

...system. An isolation element and 2-wire to 4-wire converter 27 is used to **change** the high-voltage two-wire coupling 28 to a low-voltage, surge-protected four-wire...

...in integrated circuit devices, as well as a transformer to provide the isolation and to **change** the analog **voltage level**. In a **preferred** embodiment, optical couplers are used to couple the send and receive signals to the remainder of the **modem** circuit, although transformers could be used also. The DC **power** supplied by an ordinary telephone line is not needed by the **modem** 25, so just the analog audio signals and the ring signals are allowed to pass to-digital and digital-to-analog converter 30 **changes** the analog signal from the telephone line to a digital representation for use in the...

...the type commercially available is used for the filtering functions, decoding and encoding data, signal **detection**, etc., as is the usual practice, providing digital data to and receiving digital data from the computer system bus or I/O bus via lines 32, **modem** controller 33, and bus 34. Figure 2 illustrates the components of a typical **modem**, whether of the PCMCIA type for a laptop, or a **modem** card in a desktop computer, or an integrated **modem** on a motherboard.

Referring to Figure 3, a modem configuration is illustrated according to one...

15/3,K/17 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00584431

**APPARATUS AND METHOD FOR CONTROLLING TRANSMITTED POWER OF A MODEM**  
**GERAT UND VERFAHREN ZUR STEUERUNG DER UBERTRAGUNGSLEITUNG EINES MODEM**  
**APPAREIL ET PROCEDE DESTINES A COMMANDER LA PUISSANCE TRANSMISE D'UN MODEM**  
PATENT ASSIGNEE:

PC TEL, Inc., (2882050), 61 Mattatuck Heights Road, Waterbury, CT 06705,  
(US), (Proprietor designated states: all)

INVENTOR:

GOLDSTEIN, Yuri, 924 Bullet Hill Road, Southbury, CT 06488, (US)

LEGAL REPRESENTATIVE:

Gibson, Stewart Harry et al (30972), URQUHART-DYKES & LORD, Three Trinity  
Court, 21-27 Newport Road, Cardiff CF2 1AA, (GB)

PATENT (CC, No, Kind, Date): EP 597027 A1 940518 (Basic)

EP 597027 A1 941117

EP 597027 B1 000105

WO 9303561 930218

APPLICATION (CC, No, Date): EP 92917669 920717; WO 92US6026 920717

PRIORITY (CC, No, Date): US 736088 910726

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04L-001/20; H04B-007/005

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	200001	2301
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CLAIMS B	(German)	200001	2053
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CLAIMS B	(French)	200001	2503
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SPEC B	(English)	200001	5612
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Total word count - document A	0
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Total word count - document B	12469
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Total word count - documents A + B	12469
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...SPECIFICATION power level should be can be utilized. A first preferred scheme is to calibrate a **modem** according to the techniques (e.g., Trellis precoding etc.) it utilizes, and to utilize a look-up table for that **modem** to identify the desired power level based on the measured signal/noise ratio and the...the desired power level, or a corrective signal would be sent back to the transmitting **modem**. A fourth scheme is to **measure** the quality of points in a constellation, to send a corrective signal back to **adjust** the **power**, and to iterate until a threshold is met or an optimum is found. Numerous other...corrective signal (e.g., decrease by 4dB from maximum) must be sent by the receiving **modem** back to the transmitting **modem**. Those skilled in the art will appreciate that the transfer of information from the receiving **modem** to the sending (transmitting) **modem** for indicating the appropriate **power** level for operating over the particular channel being utilized can be accomplished in numerous ways...

...or at other times during the handshake and/or transfer of data. In fact, if **measurements** are made at intervals or continuously during data transmission, and appropriate information is sent back to the transmitting **modem**, the system can adapt to **changes** in the channel which might occur during data transmission.

A third scheme for adjusting the...

15/3,K/18 (Item 3 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00570439

**Method and apparatus for selecting optimum receiving frequency in a**

**multichannel receiver**

**Verfahren und Vorrichtung zum Auswählen der optimalen Empfangsfrequenz in einem Vielkanalempfänger**

**Procede et dispositif pour la selection d'une frequence receptrice optimale dans un recepteur a canaux multiples**

PATENT ASSIGNEE:

NOKIA MOBILE PHONES LTD., (997961), P.O. Box 86, 24101 Salo, (FI),  
(applicant designated states: DE;FR;GB;SE)

INVENTOR:

Korhonen, Veijo, Kuivastie 17 as. 5, SF-90500 Oulu, (FI)  
Ojanpera, Tero, Tornipolku 10 as. 44, SF-90100 Oulu, (FI)

LEGAL REPRESENTATIVE:

Frain, Timothy John (50185), Patent Department Nokia Mobile Phones St  
Georges Court St Georges Road, Camberley, Surrey GU15 3QZ, (GB)

PATENT (CC, No, Kind, Date): EP 560475 A1 930915 (Basic)  
EP 560475 B1 980826

APPLICATION (CC, No, Date): EP 93300269 930115;

PRIORITY (CC, No, Date): FI 921026 920309

DESIGNATED STATES: DE; FR; GB; SE

INTERNATIONAL PATENT CLASS: H03J-001/00; H04B-001/40;

ABSTRACT WORD COUNT: 120

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9835	592
CLAIMS B	(German)	9835	511
CLAIMS B	(French)	9835	674
SPEC B	(English)	9835	2893
Total word count - document A			0
Total word count - document B			4670
Total word count - documents A + B			4670

...SPECIFICATION increment a check is made with the A/D-converter 2 (figure 1), whether the **required voltage** or RSSI level is received. If a **required RSSI level** is not found at the checked frequency, the frequency of the synthesizer is **changed** to the next increment.

Accordingly, if no **required RSSI level** is found on the whole channel, the next channel is selected. When the **required RSSI level** is found, the **modem** 3 checks (in transmission the modulator 3 and in reception the demodulator 3), whether an...

...the crystal 8a providing the frequency to the voltage controlled crystal oscillator 8 can be **measured** during the use of the radio telephone with the temperature sensor 6, e.g. an...

...on the tuning made in the production. Based on the temperature of the crystal 8a **measured** by the temperature sensor 6 and on the frequency of the received signal the processor...

...processor 5 can update the temperature diagram in the memory in accordance with the temperature **measurements** and the frequencies of the received signals.

When the radio telephone power is switched on...

15/3,K/19 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00443669

**TRAFFIC CONGESTION MONITORING SYSTEM**

**VERKEHRSSTAU-UBERWACHUNGSANLAGE**

**SYSTEME DE CONTROLE D'ENCOMBREMENT DES ROUTES**

PATENT ASSIGNEE:

MARTELL, David Kenneth, (1248970), Honeysuckle House, Green End,  
Shillington, Bedfordshire, (GB), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IT;LI;NL)

WILLIAMS, Ian Robert, (1248980), 25 Pemberley Avenue, Bedford, (GB),  
 (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;NL)  
 INVENTOR:  
 MARTELL, David Kenneth, Honeysuckle House, Green End, Shillington,  
 Bedfordshire, (GB)  
 WILLIAMS, Ian Robert, 25 Pemberley Avenue, Bedford, (GB)  
 LEGAL REPRESENTATIVE:  
 Burrows, Anthony Gregory et al (29013), Business Centre West Avenue One,  
 Business Park, Letchworth Garden City Hertfordshire SG6 2HB, (GB)  
 PATENT (CC, No, Kind, Date): EP 408699 A1 910123 (Basic)  
 EP 408699 B1 980121  
 WO 9005969 900531  
 APPLICATION (CC, No, Date): EP 90900948 891114; WO 89GB1348 891114  
 PRIORITY (CC, No, Date): GB 8826624 881114  
 DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; NL  
 INTERNATIONAL PATENT CLASS: G08G-001/09;  
 NOTE:  
 No A-document published by EPO  
 LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:  

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9804	1342
CLAIMS B	(German)	9804	1262
CLAIMS B	(French)	9804	1620
SPEC B	(English)	9804	3695
Total word count - document A			0
Total word count - document B			7919
Total word count - documents A + B			7919

...SPECIFICATION carriageway 8 to enable the unit 1 to report hold-ups in either direction.

The **detectors** 7 are mounted about 35ft above the traffic. Each **detector** 7 produces two obliquely downwardly directed beams 7' and 7" of infrared radiation each extending...

...V travelling in the direction A of traffic flow intercepts the first beam 7', the **detector** 7 emits a first electrical signal which is passed via a line 8 to a computer kernel 9 and, as the vehicle intercepts the second beam 7", the **detector** emits a second signal which is again passed via the line 8 to the kernel...

...data logger 10 comprising a 256K byte RAM backed by a battery 11 through a **power** supply unit 12. The kernel also includes a timer which **measures** the time interval between the two signals, such time interval naturally representing the speed of...

...given time period of, say, three minutes, the kernel 9 sends a message to a **modem** 13 the output of which is connected by a telephone line 14 to the control centre 2. The timer is **adjustable** to set the threshold value. Connected to the kernel 9 is a bank 15 of...

...1 is tampered with. By way of a line 17, the kernel 9 monitors the **output** voltage of the battery 11 and, if the **voltage** falls below a **desired level**, the kernel sends a warning message to the centre 2.  
 In an alternative version (not...

15/3,K/20 (Item 5 from file: 348)  
 DIALOG(R) File 348:EUROPEAN PATENTS  
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00275975

Echo cancelling device with phase-roll correction.

Echokompensationseinrichtung mit Korrektur von Phasenabweichungen.

Dispositif d'annulation d'echos avec correction de la variation de phase.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
 Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Belloc, Jacques, 6, rue Paul Bourget, F-06600 Antibes, (FR)  
Morlec, Emile, 353 Chemin des Gardettes, Sine-F-06570 Saint Paul, (FR)  
Godard, Dominique, 24, Chemin du Moulin, Opio-F-06650 Le Rouret, (FR)  
Quintin, Michel, Quartier Serens, F-06610 La Gaude, (FR)

LEGAL REPRESENTATIVE:

Bonneau, Gerard (14161), Compagnie IBM France Departement de Propriete  
Intellectuelle, F-06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 287743 A1 881026 (Basic)  
EP 287743 B1 930303

APPLICATION (CC, No, Date): EP 87430015 870422;

PRIORITY (CC, No, Date): EP 87430015 870422

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04B-003/23;

ABSTRACT WORD COUNT: 140

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	643
CLAIMS B	(German)	EPBBF1	660
CLAIMS B	(French)	EPBBF1	769
SPEC B	(English)	EPBBF1	4867
Total word count - document A			0
Total word count - document B			6939
Total word count - documents A + B			6939

...SPECIFICATION the actual value and the estimated value of the echo, as an input when the **modem** is in training mode. The PGA value is set at the beginning of the transmission, by **measuring** the signal **energy** at the A/D converter output signal. It may happen that, because of a noise burst for instance, this **energy measurement** be not accurate, especially if fast set-up is required, resulting in a bad adjustment of the PGA. Thus, observing a signal with low **energy** at the A/D converter ...output may result from either a good cancellation of the echo, either from a bad **adjustment** of the PGA, without the possibility of distinguishing between the two possibilities.

The above drawback...

15/3,K/21 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00275972

**Echo cancelling device for data transmission over two-wire line.**

**Echokompensationseinrichtung fur Datenubertragung uber eine Zweidrahtleitung.**

**Dispositif d'annulation d'echos pour transmission de donnees sur ligne a deux fils.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Belloc, Jacques, 6, rue Paul Bourget, F-06600 Antibes, (FR)  
Morlec, Emile, 353 Chemin des Gardettes, Sine F-06570 St Paul, (FR)  
Godard, Dominique, 24, Chemin du Moulin, Opio F-06650 Le Rouret, (FR)  
Quintin, Michel, Quartier Serens, F-06610 La Gaude, (FR)

LEGAL REPRESENTATIVE:

Bonneau, Gerard (14161), Compagnie IBM France Departement de Propriete  
Intellectuelle, F-06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 287742 A1 881026 (Basic)  
EP 287742 B1 930113

APPLICATION (CC, No, Date): EP 87430012 870422;

PRIORITY (CC, No, Date): EP 87430012 870422.

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04B-003/23;

ABSTRACT WORD COUNT: 126

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	657
CLAIMS B	(German)	EPBBF1	627
CLAIMS B	(French)	EPBBF1	724
SPEC B	(English)	EPBBF1	3830
Total word count - document A			0
Total word count - document B			5838
Total word count - documents A + B			5838

...SPECIFICATION energy level range between -6 dBm and -43 dBm, the near echo signal has the **same** energy level range (but independent) and the far echo signal has an energy level at least **10dBm** lower than the energy level of the remote incoming signal. An analog-to-digital converter such as converter 34 has a limited precision **which** does not apply on the whole energy level range. Thus, if the converter is **adapted** to receive a signal of -6dBm as a maximum **energy** level, only 5 significant bits will be provided by the analog-to-digital converter with an input signal at -43 **dBm** , which is very insufficient.

Accordingly, it would be necessary to include a programmable gain amplifier...

...34 so as to fully utilize the A/D converter dynamic range whichever be the **energy** level of the incoming signal. Such a PGA would require to include a selectable gain...

?t16/3,k/all

16/3,K/1 (Item 1 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00570519 \*\*Image available\*\*

**VIDEOPHONE APPARATUS, METHOD AND SYSTEM FOR WIRELINE AUDIO AND VIDEO  
CONFERENCING AND TELEPHONY**

**APPAREIL, PROCEDE ET SYSTEME DE VIDEOTELEPHONIE DESTINES A L'AUDIO ET VIDEO  
CONFERENCE ET TELEPHONIE PAR CABLE**

Patent Applicant/Assignee:

MOTOROLA INC, MOTOROLA INC. , 1303 East Algonquin Road, Schaumburg, IL  
60196 , US

Inventor(s):

BURKE Timothy M, BURKE, Timothy, M. , 1811 Waverly Lane, Algonquin, IL  
60102 , US

NEWLIN Douglas, NEWLIN, Douglas , 2794 Miller Road, Geneva, IL 60134 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9815124 A1 19980409

Application: WO 97US17870 19971001 (PCT/WO US9717870)

Priority Application: US 96726329 19961003

Designated States: AU BR CN ID RU

Publication Language: English

Filing Language: English

Fulltext Word Count: 18417

Fulltext Availability:

Detailed Description

Detailed Description

... 320 is a dial (or data) access arrangement (DAA) 325, which receives an analog signal **transmitted** on the analog telephony line 107. DAAs are known in the prior art and may...

...an integrated circuit, such as a Cermetek CH1837, and performs such functions as impedance matching, **power** level **adjustment** , isolation, surge voltage protection, and ring detection functions. Connected to the DAA 325 is a...

...line 107 to sampled, digital form, and converts sampled, digital information to analog form for **transmission** over the line 107. The codec 330 is also referred to as a network codec...

...functions when in telephony mode, as discussed in greater detail below. When utilized in this **analog modem** role (V.x functions), the voice DSP 415 operates in conjunction with the video processing...

16/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00570518 \*\*Image available\*\*

**APPARATUS, METHOD AND SYSTEM FOR WIRELINE AUDIO AND VIDEO CONFERENCING AND TELEPHONY**

**APPAREIL, PROCEDURE ET SYSTEME DE TELEPHONIE ET DE TELECONFERENCE AUDIO ET VIDEO POUR LIGNES CABLEES**

Patent Applicant/Assignee:

MOTOROLA INC, MOTOROLA INC. , 1303 East Algonquin Road, Schaumburg, IL 60196 , US

Inventor(s):

BURKE Timothy M, BURKE, Timothy, M. , 1811 Waverly Lane, Algonquin, IL 60102 , US

NEWLIN Douglas, NEWLIN, Douglas , 2794 Miller Road, Geneva, IL 60134 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9815123 A1 19980409

Application: WO 97US17869 19971001 (PCT/WO US9717869)

Priority Application: US 96725602 19961003

Designated States: AU BR CN ID RU

Publication Language: English

Filing Language: English

Fulltext Word Count: 14020

Fulltext Availability:

Detailed Description

Detailed Description

... 320 is a dial (or data) access arrangement (DAA) 325, which receives an analog signal **transmitted** on the analog telephony line 107. DAAs are known in the prior art and may...

...an integrated circuit, such as a Cermetek CH1837, and performs such functions as impedance matching, **power level adjustment** , isolation, surge voltage protection, and ring detection functions. Connected to the DAA 325 is a...

...line 107 to sampled, digital form, and converts sampled, digital information to analog form for **transmission** over the line 107. The codec 330 is also referred to as a network codec...

...functions when in telephony mode, as discussed in greater detail below. When utilized in this **analog modem** role (V.x functions), the

16/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00432016

**DATA COMMUNICATIONS DEVICE TO SELECTIVELY OPERATE AS AN ANALOG MODEM, A DIGITAL MODEM, AND A TERMINAL ADAPTER**

**DISPOSITIF DE TRANSMISSION DE DONNEES FONCTIONNANT DE MANIERE SELECTIVE COMME MODEM ANALOGIQUE, MODEM NUMERIQUE ET ADAPTATEUR DE TERMINAL**

Patent Applicant/Assignee:

MOTOROLA INC

Inventor(s):

BLACKWELL Steven R

PEARSON John Timothy  
FRIDLIN Charles C

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627241 A1 19960906  
Application: WO 96US125 19960104 (PCT/WO US9600125)  
Priority Application: US 95395332 19950228

Designated States: BR CA FI JP KR SG AT BE CH DE DK ES FR GB GR IE IT LU MC  
NL PT SE

Publication Language: English

Fulltext Word Count: 7846

Fulltext Availability:  
Detailed Description

Detailed Description

... this mode, the data communications device 300 is operating in a first mode as an **analog modem**. The first interface circuit such as the analog interface circuit 314 would also typically provide a variety of functions, such as **power** level setting, impedance matching, and may include hybrid circuitry to transfer information from two sets of twisted pair **transmission** lines to one pair of **transmission** lines.

The processor 370 is further coupled to the second (PCM) codec 316 via bus...

16/3,K/4 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00950285

**Self-contained apparatus and method of monitoring telecommunications equipment**

**Unabhängiges Gerät und Verfahren zur Überwachung einer Telekommunikationsvorrichtung**

**Appareil autonome et methode de surveillance d'equipement de telecommunication**

PATENT ASSIGNEE:

Siemens Business Communication Systems, Inc., (1897265), 4900 Old Ironside Drive, Santa Clara, CA 95054, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Reynaud, Alan E., 28110 La Terrace Ct., San Jose, CA 95123, (US)  
Churchill, Robert, Jr., 464 S., 9th Street, San Jose, CA 95112, (US)  
Guzman, Sandra, 100 Buckingham Drive, Apt. 232, Santa Clara, CA 95051, (US)

Amin, Daksha, 427 Offenbach Pl., Sunnyvale, CA 94087, (US)

Zeringue, Alan J., 525 Hassinger Road, San Jose, CA 95111, (US)

LEGAL REPRESENTATIVE:

Allen, Derek (55496), Siemens Group Services Limited, Intellectual Property Department, Siemens House, Oldbury, Bracknell, Berkshire RG12 8FZ, (GB)

PATENT (CC, No, Kind, Date): EP 862310 A2 980902 (Basic)

APPLICATION (CC, No, Date): EP 98102047 980206;

PRIORITY (CC, No, Date): US 808208 970228

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04M-003/22;

ABSTRACT WORD COUNT: 239

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	853
SPEC A	(English)	9836	3380
Total word count - document A			4233
Total word count - document B			0



...SPECIFICATION commercially available analog modem, ISDN adaptor, or the like may be used and may be **changed**, as desired. The connection to the jack 54 provides **power** and control signals to the communications module. In Fig. 2, the **power** connections are represented by line 56, while line 58 represents a connection for **transmitting** control signals to the communications module and receiving any input signals that are **transmitted** from the service center to the controller.

The monitoring apparatus of Fig. 3 also includes...

?t17/3,k/all

17/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00675463 \*\*Image available\*\*

**METHODS AND APPARATUS FOR VERIFYING TRANSMIT POWER LEVELS IN A SIGNAL POINT LIMITED TRANSMISSION SYSTEM**

**PROCEDES ET APPAREIL PERMETTANT DE VERIFIER DES NIVEAUX DE PUISSANCE D'EMISSION DANS UN SYSTEME DE TRANSMISSION LIMITE A POINT DE SIGNAL**

Patent Applicant/Assignee:

CONEXANT SYSTEMS INC, CONEXANT SYSTEMS, INC. , Intellectual Property  
Dept., Mail Code E09-900, 4311 Jamboree Road, Newport Beach, CA  
92660-3095 , US

Inventor(s):

OLAFSSON Sverrir, OLAFSSON, Sverrir , Thingholtsstraeti 14, IS-101  
Reykjavik , IS

Patent and Priority Information (Country, Number, Date):

Patent: WO 9959323 A1 19991118

Application: WO 99US6749 19990329 (PCT/WO US9906749)

Priority Application: US 9875719 19980511

Designated States: CA JP NO AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 8236

Fulltext Availability:

Detailed Description

Detailed Description

... transmit power regulations.

As mentioned above, regulatory bodies may place limits on the total average **power** utilized for a given data communication session. Because the transmit **power** limitations may vary from country to country, the **digital modem** in a 56 kbps system may initially provide the maximum transmit **power** limit to the **analog modem** such that the **analog modem** can design an appropriate signal point constellation set.

Accordingly, after the appropriate signal point constellations are selected, the total average transmit power may be computed by the **analog modem** to ensure that the transmit **power** of the constellation set does not exceed the **power** limit. However, without an independent verification of the transmit **power** associated with the signal point constellations, the **digital modem** may utilize a signal point constellation set that, due to computational errors on the part of the **analog modem**, exceeds the maximum **power** limit.

As mentioned above, conventional 56 kbps modem systems perform constellation design and power calculation at the **analog modem** (i.e., the client-end modem) after obtaining a maximum transmit **power** limit from the **digital modem** (i.e., the server-end modem). Unfortunately, the manner in which the analog and **digital modems** calculate the total average transmit **power** may vary from one device to the next. In other words, the same transmit **power** formula may not be rigidly followed by all modem devices. Consequently, the analog and **digital modems** may generate inconsistent transmit **power** calculations for the same signal

point constellations.

Even if the analog and **digital modems** are in agreement with respect to the transmit **power** formula, practical operating limitations (such as processor bit resolution or the use of finite precision arithmetic) may introduce round off errors to the **power** verification procedure. Thus, like the above situation where two different transmit **power** formulas are employed, the analog and **digital modems** may obtain different transmit **power** results for the same signal point constellation set. The calculation of different results utilizing the same transmit **power** formula may adversely affect any verification routine performed by the **digital modem**. For example, the **digital modem** may reject signal point constellations for exceeding the transmit **power** limit even though the **analog modem** designed the constellations to be within the **power** limit and even though the **analog modem** may have already performed an initial verification.

Present 56 kbps modem systems may not consider...

17/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00674123 \*\*Image available\*\*

**SYSTEM AND METHOD FOR PROVIDING MODULAR CONTROL AND FOR MANAGING ENERGY CONSUMPTION**

**SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UNE COMMANDE MODULAIRE ET DE GERER LA CONSOMMATION D'ENERGIE**

Patent Applicant/Assignee:

INTELLINET INC, INTELLINET, INC. , 2900 South Horseshoe Drive, Naples, FL 33942 , US

Inventor(s):

STEIN Michael, STEIN, Michael , 10862 Longshore Way West, Naples, FL 34104 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9957646 A1 19991111

Application: WO 98US8584 19980430 (PCT/WO US9808584)

Priority Application: WO 98US8584 19980430

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH

CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML

MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 12681

Fulltext Availability:

Detailed Description

Detailed Description

... lowered with minimal impact on the occupants.

The control system 10 may also include the **energy** management task unit 54F for managing the **energy** consumption in a building. The **energy** management task unit 54F permits an occupant to respond in real-time to fluctuations in...

...28 and communicate with the utility company over the telephone lines, such as with an **analog modem** , a **digital modem** over ISDN lines, or with an ADSL transceiver. The control system 10 may also receive...

...control system 10 receives this updated rate information, the operating system 16 wakes up the **energy** task unit 54F at s 202 and the **energy** task unit 54F queries the control database unit 44 for the set commands

associated with...commands and the command execution unit 50 at step 205 provides the commands to the **energy** task unit 54F as well as to any other affected task units 54.

At step...

17/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00561919 \*\*Image available\*\*

**ASYMMETRIC MODEM COMMUNICATIONS SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE COMMUNICATIONS ASYMETRIQUES PAR MODEMS**

Patent Applicant/Assignee:

PARADYNE CORPORATION, PARADYNE CORPORATION , 8545 126th Avenue North,  
P.O. Box 2826, Largo, FL 33773 , US

Inventor(s):

BETTS William Lewis, BETTS, William, Lewis , 2016 Montana Avenue N.E.,  
St. Petersburg, FL 33703 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9807248 A1 19980219

Application: WO 97US7560 19970505 (PCT/WO US9707560)

Priority Application: US 96696776 19960813

Designated States: BR CA CN JP KR MX RU AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 5570

Fulltext Availability:

Detailed Description

Detailed Description

... 102.

Moreover, unresolvable levels are discarded and not utilized.

In order to check levels, the **digital modem** 101 transfers levels to the **analog modem** 102, which in turn records the received level at the output of the equalizer 294. The **analog modem** 102 evaluates the received **power** levels, makes a determination as to which are resolvable and which are not, constructs a table of usable resolvable levels, and advise& the **digital modem** 101 of the same.

Slave timing may also be employed to eliminate the need for...

17/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00525860 \*\*Image available\*\*

**COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT**  
**SYSTEME DE COMMUNICATION AVEC TRANSMISSION TELEPHONIQUE PAR PORTEUSES**  
**MULTIPLES**

Patent Applicant/Assignee:

ADC TELECOMMUNICATIONS INC

DAPPER Mark J

GEILE Michael J

HILL Terrance J

ROBERTS Harold A

ANDERSON Brian D

BREDE Jeffrey

WADMAN Mark S

KIRSCHT Robert J

HERRMANN James J

FORT Michael J  
BUSKA Steven P  
SOLUM Jeff  
ENFIELD Debra Lea  
BERG Darrell  
SMIGELSKI Thomas  
TUCKER Thomas C  
HALL Joe  
LOGAJAN John M  
BOUALOUANG Somway  
LOU Heng  
ELPERS Mark D  
DOWNS Matt  
FERRIS Tammy  
OPOCZYNSKI Adam  
RUSSELL David S

Inventor(s):

DAPPER Mark J  
GEILE Michael J  
HILL Terrance J  
ROBERTS Harold A  
ANDERSON Brian D  
BREDE Jeffrey  
WADMAN Mark S  
KIRSCHT Robert J  
HERRMANN James J  
FORT Michael J  
BUSKA Steven P  
SOLUM Jeff  
ENFIELD Debra Lea  
BERG Darrell  
SMIGELSKI Thomas  
TUCKER Thomas C  
HALL Joe  
LOGAJAN John M  
BOUALOUANG Somway  
LOU Heng  
ELPERS Mark D  
DOWNS Matt  
FERRIS Tammy  
OPOCZYNSKI Adam  
RUSSELL David S

Patent and Priority Information (Country, Number, Date):

Patent: WO 9727550 A2 19970731  
Application: WO 97US1444 19970124 (PCT/WO US9701444)  
Priority Application: US 9610497 19960124; US 9610506 19960124; US  
96673002 19960628

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE HU IL KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM  
AZ BY KG KZ MD TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF  
BJ CF CG CI CM ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 81849

Fulltext Availability:

Detailed Description

Detailed Description

... by a series of splitters between several individual fibers servicing outstations. The network allows for **digital** speech data to be transmitted from the outstations to the central station via the same... times, often called high data throughput.

In addition to the speed and data-throughput requirements, **power** consumption is a major concern for many applications. In some signal -processing applications, **power** is supplied by portable generation or

storage equipment, such as batteries, where the ultimate **power** available is limited by many environment. In such applications, processor **power** consumption must be as low as possible. One useful measure of utility or merit for FFT processors is the **energy** dissipation per transform point. Ultimately, one key problem with any FFT processor is the amount of **power** consumed per transform. Generally, high-performance, efficient FFT processors exhibit **energy** dissipations per transform in the range of 100 to 1000 times  $1092N$  nanojoules, where  $N$  ...

...a consequence, reasonably large transforms required to process large arrays of data, result in large **power** consumption.

Machine-implemented computation of an FFT is often simplified by cascading together a series...

21/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00714055 \*\*Image available\*\*

**LOCK DETECTOR FOR PHASE LOCKED LOOPS**

**DETECTEUR DE VERROUILLAGE POUR BOUCLES A VERROUILLAGE DE PHASE**

Patent Applicant/Assignee:

BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

TAN Loke Kun, 24412 Rue de Monet, Laguna Niguel, CA 92677, US, US  
(Residence), US (Nationality), (Designated only for: US)

ETEMADI Farzad, 322 Knollglen, Irvine, CA 92614, US, US (Residence), IR  
(Nationality), (Designated only for: US)

YUEN Denny, 19337 Hinsdale Avenue, Torrance, CA 90503, US, US (Residence)  
, US (Nationality), (Designated only for: US)

TSAI Shauhyarn (Shaun), 4724 Sara Drive, Torrance, CA 90506, US, US  
(Residence), -- (Nationality), (Designated only for: US)

Legal Representative:

ELDREDGE John W, Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena,  
CA 91109-7068, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200027033 A1 20000511 (WO 0027033)

Application: WO 99US25970 19991104 (PCT/WO US9925970)

Priority Application: US 98107104 19981104

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5349

Fulltext Availability:

Detailed Description

Detailed Description

... and FPLLs play a significant role in the effective operation of various portions of a **modem digital** communication system. Indeed, it is difficult to conceive of a **modem high-speed digital** communications system that does not make extensive use of precision PLLs.

I Notwithstanding the necessity...

21/3,K/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00547236 \*\*Image available\*\*

**SELF&shy;CONTAINED TRANSPORTABLE LIFE SUPPORT SYSTEM**

**SYSTEME AUTONOME ET TRANSPORTABLE POUR LE MAINTIEN EN VIE DE PATIENTS**

Patent Applicant/Assignee:

NORTHROP GRUMMAN CORPORATION, NORTHROP GRUMMAN CORPORATION , 1840 Century  
Park East, Los Angeles, CA 90067&shy;2199 , US

Inventor(s):

HOOD David D, HOOD, David, D. , 2820 Signal Point, Signal Hills, CA 90804  
, US

SHERILL David, SHERILL, David , 9568 Reverie Road, Tujunga, CA 91042 , US  
KNEALE Todd D, KNEALE, Todd, D. , 1048 S. Idaho Street &8, La Habra, CA  
90631 , US

TOTH Louis S, TOTH, Louis, S. , 7892 Lemonwood Circle, La Palma, CA 90623  
, US

STANLEY David M, STANLEY, David, M. , 8456 E. Meadow Ridge, Anaheim, CA  
92808 , US  
MOORE Gene B, MOORE, Gene, B. , 2550 N. Meadow Grove Road, Orange, CA  
92667 , US  
BERRY Mark L, BERRY, Mark, L. , 2344 Lake Terrace Drive, Chino Hills, CA  
91709 , US  
GARCIA Robert M, GARCIA, Robert, M. , 41 Oxbow Creek Lane, Laguna Hills,  
CA 92653 , US  
HANKS Donald, HANKS, Donald , 5141 Elvira Road, Woodland Hills, CA 91364  
, US  
SHULTZ Douglas E, SHULTZ, Douglas, E. , 1100 Orangewood Drive, Brea, CA  
92821 , US  
BRAYTON John R, BRAYTON, John, R. , 14980 Spinning Avenue, Gardena, CA  
90249 , US  
CLARK walter D, CLARK, walter, D. , 824 Valley View, Fullerton, CA 92635  
, US  
SOBKO William R, SOBKO, William, R. , 23022 Fonthill Avenue, Torrance, CA  
90505 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9748355 A1 19971224  
Application: WO 97US10588 19970617 (PCT/WO US9710588)  
Priority Application: US 96667693 19960621

Designated States: AU BR JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 95856

Fulltext Availability:

Detailed Description

Detailed Description

... medical devices are stored and can there be quickly reconfigured for a  
particular use, as **desired** .

Medical treatment devices of the present invention are responsive to the  
medical monitoring devices thereof...declared in the Main Unit's first  
var.) fThis is another way to initialize a **digital** control. When main  
screen comes on, it notices this toggle and responds by calling  
sucControl...

21/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT Fulltext

(c) 2001 WIPO/MicroPat. All rts. reserv.

00431955 \*\*Image available\*\*

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS  
PROTECTION**

**SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION  
ELECTRONIQUE DES DROITS**

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC

Inventor(s):

GINTER Karl L  
SHEAR Victor H  
SPAHN Francis J  
VAN WIE David M

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2-A3 19960906  
Application: WO 96US2303 19960213 (PCT/WO US9602303)  
Priority Application: US 95388107 19950213

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO  
RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ  
TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  
MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 205184

Fulltext Availability:  
Detailed Description

#### Detailed Description

... public key techniques such as RSA to protect communications and to provide the benefits of **digital** signature and authentication to securely bind together the nodes of a VDE arrangement, secure processing ...ad hoc selection of different, unanticipated variable user selected aggregations of information increments and pricing **levels** can be, at least in part, based on quantities and/or nature of mixed increment...

...information and is more flexible than being limited to a single, or a few, high **level** , (e.g. product, document, database record) predetermined increments. Such high level increments may include quantities...

**21/3,K/4 (Item 4 from file: 349)**  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00321078

**SYSTEM FOR DIVIDING PROCESSING TASKS INTO SIGNAL PROCESSOR AND  
DECISION-MAKING MICROPROCESSOR INTERFACING**  
**SYSTEME DE SEPARATION DES TACHES DE TRAITEMENT EN TACHES POUR INTERFACAGE  
AVEC UN PROCESSEUR DE SIGNAUX ET UN MICROPROCESSEUR DE PRISE DE  
DECISION**

Patent Applicant/Assignee:

STAR SEMICONDUCTOR CORPORATION

Inventor(s):

ROBINSON Jeffrey I

ROUSE Keith

KRASSOWSKI Andrew J

MONTLICK Terry F

Patent and Priority Information (Country, Number, Date):

Patent: WO 9308524 A1 19930429

Application: WO 92US8954 19921014 (PCT/WO US9208954)

Priority Application: US 91776161 19911015

Designated States: AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 203416

Fulltext Availability:

Claims

#### Claim

... 1\* output file pointer ll  
char \*fileName; /\* output file name \*/  
char \*design-name; ll top **Level** schematic name GROUPS 'top-group; /\*  
pointer to top group int netList 1; 1\* net Listing...

**21/3,K/5 (Item 5 from file: 349)**  
DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00278632

**REMOTELY CONTROLLED SECURITY LIGHTING**  
**SYSTEME D'ECLAIRAGE DE SECURITE COMMANDE A DISTANCE**

Patent Applicant/Assignee:

BIEREND Gary D

Inventor(s):

BIEREND Gary D

Patent and Priority Information (Country, Number, Date):

Patent: WO 9108635 A1 19910613



Application: WO 89US5265 19891127 (PCT/WO US8905265)  
Priority Application: WO 89US5265 19891127  
Designated States: AT BE CH DE ES FR GB IT JP LU NL SE US  
Publication Language: English  
Fulltext Word Count: 5385

Fulltext Availability:  
Claims

Claim

... means to receive and encode the input signals from said light selector switch, said light **power** switch and said joystick into a binary coded signal,  
(5) a first universal asynchronous receiver...  
  
...the means to receive and convert the binary coded signal from said encoder into a **digital** serial data format, (6) a first **power** line modem having the means to receive and convert the serial data format from said first UART into a modulated signal, (7) a first **power** line interface having the means to receive, process and apply the modulated signal to a standard first utility **power** connector from where the signals are communicated via the utility **power** lines to a remote standard second utility **power** connector from where the signals are applied to said remote light/receiving unit, (8) a first **power** supply having the means to provide the **required power levels** to operate the circuits of said master  
  
control/transmitting unit,  
B. said remote light/receiving...

21/3,K/6 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00810669

**Capacity allocation for OFDM**  
**Zuweisung von Kapazität bei OFDM**  
**Allocation de capacite pour MDFO**  
PATENT ASSIGNEE:

ALCATEL BELL Naamloze Vennootschap, (268515), Francis Wellesplein 1,  
B-2018 Antwerpen 1, (BE), (applicant designated states:  
BE;DE;ES;FR;GB;IT;NL;SE)

INVENTOR:

Peeters, Johan, Wijngaardlaan 6, B-3001 Heverlee, (BE)  
Spruyt, Paul Marie Pierre, Prinses Lydialaan 54, B-3001 Heverlee, (BE)  
Van Kerckhove, Jean-Francois, 162, rue de Hamme-Mille, B-1390 Nethen,  
(BE)

LEGAL REPRESENTATIVE:

Narmon, Gisele Marie Therese et al (83944), Alcatel Bell N.V.  
Intellectual Property Department Francis Wellesplein 1, 2018 Antwerpen,  
(BE)

PATENT (CC, No, Kind, Date): EP 753948 A1 970115 (Basic)  
APPLICATION (CC, No, Date): EP 95201899 950711;  
PRIORITY (CC, No, Date): EP 95201899 950711  
DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL; SE  
INTERNATIONAL PATENT CLASS: H04L-005/06;  
ABSTRACT WORD COUNT: 149

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1540
SPEC A	(English)	EPAB97	6236
Total word count - document A			7776
Total word count - document B			0

...SPECIFICATION known in the art, e.g. from the US Patent 4,679,227, entitled 'Ensemble **modem** structure for imperfect transmission media' from the inventor Dirk Hughes-Hartogs. Therein, a **modem** is described which transmits and receives **digital** data on a set of carriers called an ensemble of carrier frequencies. The **modem** includes a system for variably allocating data elements or data, and **power** to the carrier frequencies to be transmitted via a telephone line. In a first step, the method performed by this data and **power** allocating system determines for each carrier frequency the equivalent noise component. Obviously, this is equal to measuring for each carrier frequency the signal noise ratio (SNR) provided that the signal **power** during this measurement equals 1 **power** unit. As is described on lines 21-24 of column 11 of the above mentioned...

...the data elements with a given maximum bit error rate (BER) to calculate therefrom the **required** transmission **power** **levels**, marginal **required power levels** for each carrier frequency and data element allocation. As stated on lines 26-27 of...

...the known method are then allocated one by one to the carriers requiring the lowest **power** cost to increase the constellation complexity. In this way, the known method and **modem** provide a data element allocation to compensate for equivalent noise and to maximize the overall data transmission rate. The known method and **modem** however treat all data elements in an identical way. In communication networks transporting data elements...

21/3,K/7 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00443846

**FIBER OPTIC LINK NOISE MEASUREMENT AND OPTIMIZATION SYSTEM.**  
**GERAUSCHMESSUNG FUR EINE FASEROPTISCHE VERBINDUNG UND OPTIMIERUNGSSYSTEM.**  
**MESURE DU BRUIT DANS UNE LIGNE DE FIBRE OPTIQUE ET SYSTEME D'OPTIMALISATION.**

PATENT ASSIGNEE:

HONEYWELL INC., (246051), Honeywell Plaza, Minneapolis MN 55408, (US),  
(applicant designated states: DE;FR;GB;IT)

INVENTOR:

NELSON, Larry, A., 9705 Fostoria N.E., Albuquerque, NM 87111, (US)  
WOODS, James, W., 8237 Krim N.E., Albuquerque, NM 87109, (US)

LEGAL REPRESENTATIVE:

Rentzsch, Heinz, Dipl.-Ing. et al (9532), Honeywell Holding AG Patent-  
und Lizenzabteilung Postfach 10 08 65, D-63008 Offenbach, (DE)

PATENT (CC, No, Kind, Date): EP 445232 A1 910911 (Basic)

EP 445232 B1 941214

WO 9006640 900614

APPLICATION (CC, No, Date): EP 90901281 891121; WO 89US5376 891121

PRIORITY (CC, No, Date): US 275935 881125

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04B-010/12;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	722
CLAIMS B	(German)	EPBBF1	591
CLAIMS B	(French)	EPBBF1	824
SPEC B	(English)	EPBBF1	5586
Total word count - document A			0
Total word count - document B			7723
Total word count - documents A + B			7723

...SPECIFICATION fed to controller 30.

The controller uses the information on the amount of received noise **power** by comparing it to a selected value at which the system is designed to be...

...noise which is received allows for optimization of either signal quality (lower noise transmission) or **power** dissipation in the emitting device (which corresponds to reliability and life). Consider, for example, a system which uses this transmission media for the transmission of **digital** data as for example is done with a modem over the switched telephone network. The...

...in the transmission channel to transmit with a particular bit error rate (BER). Increasing transmitted **power** beyond what is required to obtain this BER produces a generally useless improvement in BER...

...already represents essentially perfect transmission. In this instance, the controller would probably decrease the transmitted **power** until it was just sufficient to maintain the transmission noise characteristics required. In another application...

...a lower noise image. In this case, the improvement which may be obtained from higher **power** transmission is noticeable but produces diminishing returns beyond a certain signal to noise. The controller...

...condition so as to obtain better signal quality, but with improved LED lifetime and reduced **power** dissipation. Because the output optical **power** of LED devices is exponentially related to input current, there is substantial opportunity for improvement with small decreases in the **amount** of optical **power** required. Because all fiber optic systems are designed to have some **power** margin, this **power** reduction capability should be commonly available.

The controller 30 may be any type of intelligent...

21/3,K/8 (Item 3 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00240120

**Wideband switching system.**

**Breitbandvermittlungssystem.**

**Systeme de commutation a large bande.**

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,  
(US), (applicant designated states: DE;FR;GB)

INVENTOR:

Farleigh, Scott Eugene, 1740 Mable Avenue, Denver Colorado 80229, (US)  
Helton, John Steven, 1291 Doric Drive, Lafayette Colorado 80026, (US)  
Larson, Allen Leonard, 11277 North Birch Drive, Thornton Colorado 80233,  
(US)

Liu, Frank Chih-Sing, 11258 Quivas Loop, Westminster Colorado 80234, (US)

LEGAL REPRESENTATIVE:

Blumbach Weser Bergen Kramer Zwirner Hoffmann Patentanwalte (100372),  
Sonnenberger Strasse 100, D-65193 Wiesbaden, (DE)

PATENT (CC, No, Kind, Date): EP 239908 A2 871007 (Basic)

EP 239908 A3 891129

EP 239908 B1 940223

APPLICATION (CC, No, Date): EP 87104282 870324;

PRIORITY (CC, No, Date): US 846327 860331

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04M-011/06; H04Q-011/04; H04Q-003/52;  
H04N-007/13;

ABSTRACT WORD COUNT: 193

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	432
CLAIMS B	(German)	EPBBF1	357
CLAIMS B	(French)	EPBBF1	540
SPEC B	(English)	EPBBF1	4651
Total word count - document A			0
Total word count - document B			5980
Total word count - documents A + B			5980

...SPECIFICATION from computers S3 and TV1 as well as local area network S5 are already in **digital** form.

Wideband Switching Adjunct

To illustrate the operation of this system assume that a subscriber...

...For example, tape player Sm can be connected to monitor TV2 by wideband switching network 120 activating the crosspoints **required** to connect the signal output by modem SMm on optical fiber SFm to the input...

File 621:Gale Group New Prod.Annou.(R) 1985-2001/Mar 08  
(c) 2001 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2001/Mar 08  
(c) 2001 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2001/Mar 08  
(c) 2001 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2001/Mar 08  
(c) 2001 Bell & Howell  
File 484:Periodical Abstracts Plustext 1986-2001/Mar W1  
(c) 2001 Bell & Howell  
File 553:Wilson Bus. Abs. FullText 1982-2001/Jan  
(c) 2001 The HW Wilson Co  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	4381	ANALOG()MODEM?
S2	982339	TRANSMIT? OR TRANSM? OR SEND?
S3	2069568	POWER OR ENERGY
S4	11172	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	1857247	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	4342005	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	2750978	LEVEL? OR AMOUNT? OR ALLOCATION
S8	50657	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	1679	DIGITAL()MODEM?
S10	356	EQUIVALEN?(3N)CLASSES
S11	131	S5(S)S6(S)S8(S) (S3 OR S4)
S12	42	S1(S)S2(S)S6
S13	229	S1(S)S9
S14	0	S11(S)S1
S15	3	S11(S)MODEM? ?
S16	0	S12(S)S3
S17	14	S13(S)S3
S18	1	S17(S)S6
S19	13	S17 NOT S18
S20	14	MODEM? ?(S)S3(S)S8
S21	11	S20 NOT (S15 OR S18 OR S19)
S22	10	RD S21 (unique items)

15/3,K/1 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04190876 Supplier Number: 54812842 (USE FORMAT 7 FOR FULLTEXT)

**CALENDAR.**

Tech Europe, pNA

June 3, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 5175

(USE FORMAT 7 FOR FULLTEXT)

**TEXT:**

**Evaluating** the "indecs"An **evaluation** conference on the European Commissions "indecs" project will be held in London on July 7...for a restructuring rather than declaring bankruptcy. "This extension allows us to make the important **changes** in our marketing and distribution strategy, which will help us drive sales," Iridium's new...s ASAM (ADSL Subscriber Access Multiplexer) central office system, the SPEED TOUCH™ range of ADSL **modems** as well as DANA, its Broadband Remote Access Node equipment, which is typically managed by...

...service surrounding our platinum product portfolio." Alcatel launched its new SPEED TOUCH™ family of ADSL **modems** - the most comprehensive and fully-featured range of next-generation **modems** available - at CeBIT 99. The portfolio, comprising the SPEED TOUCH™ Home, SPEED TOUCH™ Pro, SPEED ...

...and SPEED TOUCH™ Office, offers data rates up to 200 times faster than a traditional **modem** ; 8 Mbps downstream to a computer and 1 Mps upstream from the computer is possible range of Alcatel ADSL **modems** . An active contributor to the various standards bodies creating ADSL standards, Alcatel continues to work...market capitalisation, and intend to do so in short order", Chief Executive George Simpson said.**Adjusted** for a heavy year of acquisitions and disposals, the company said in its new form...

...IDC, aims to collect more than 34 percent of IDC's shares, just above the **level required** for veto **power** over major management decisions, from some

15/3,K/2 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

04134029 Supplier Number: 54264986 (USE FORMAT 7 FOR FULLTEXT)

**NOTEBOOK.**

Television Digest, v39, n13, pNA

March 29, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1709

(USE FORMAT 7 FOR FULLTEXT)

18/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2001 Resp. DB Svcs. All rts. reserv.

02480614 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Low-Power Connections**

(Mapletree Networks introduced the 2100 Series Digital Modem Card, a universal port PCI adapter card)

Information Week, p 194

June 07, 1999

DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 93

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

Mapletree Networks' 2100 Series **Digital Modem** Card is a highly scalable, low-power , universal port PCI adapter card for IP telephony and network-access applications. It can handle 12 to 120 simultaneous voice-over-IP, fax-over-IP, **analog modem** , and ISDN calls for up to five T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure when the traffic mix **changes** . Price: \$35 to \$60 per port.

Mapletree: 781-461-4405;

[www.mapletreenetworks.com](http://www.mapletreenetworks.com)

June 07...

19/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2001 The Gale Group. All rts. reserv.

01509631 Supplier Number: 47243654 (USE FORMAT 7 FOR FULLTEXT)  
**Access Beyond Begins Shipping New Modular Design Remote Access Server The Ab2400**  
PR Newswire, p0326NYW094  
March 26, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 715

... communications and link modules have been designed for the AB2400; 16 async ports module, 8 **analog modems** module, 12, 24 and 30 **digital modems** modules, 6 port ISDN BRI module, Ethernet module and even **power** supplies can be user installed.

"Costly obsolescence is a thing of the past with the...

19/3,K/2 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2001 The Gale Group. All rts. reserv.

01455575 Supplier Number: 46902816 (USE FORMAT 7 FOR FULLTEXT)  
**Hayes Comes On Strong With Complete Family of Remote Access Server Products**  
PR Newswire, p1118ATM035  
Nov 18, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 850

... in any chassis. Access device modules will be available in the following types: v.34 **analog modems**, **digital modems**, T1, E1, ISDN BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The Century 9200 chassis supports 6 modules and the CENTURY 9400 supports 8 modules and has capacity for dual **power** supplies. The CENTURY 9800 supports 12 modules, dual **power** supplies and is targeted for high density, corporate or ISP sites.

"We've set the...

19/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

04132422 Supplier Number: 54242659 (USE FORMAT 7 FOR FULLTEXT)  
**ADSL: Efficient Networks Introduces First Consumer Installable ADSL Modem. Universal Serial Bus (USB) Modem Provides Users with Plug and Play Solution for High Speed Internet Access and Remote LAN Connectivity. (Product Announcement)**  
EDGE, on & about AT&T, pNA  
March 29, 1999  
Language: English Record Type: Fulltext  
Article Type: Product Announcement  
Document Type: Newsletter; Trade  
Word Count: 736

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...at rates up to 8 megabits per second downstream -- nearly 150 times faster than 56Kbps **analog modems** -- using standard copper telephone lines. "The SpeedStream 4060 effectively raises the bar in terms of...

...said Greg Langdon, vice president of marketing for Efficient Networks. "Users can simply plug their **digital modem** into a USB port on their PC or laptop, connect the phone line, install the...



...Windows, making next generation digital high-speed modems as simple to use as today's **analog modems** . About the size of a paperback book and housed in a sleek black casing, the...

...4060 USB DSL modem has a suggested retail price of \$299 and is available today. **Power** of Partnership Today Alcatel holds over 40 percent of the world market, making it the...

**19/3,K/4 (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03970526 Supplier Number: 53005471 (USE FORMAT 7 FOR FULLTEXT)  
**Cisco Develops New Connectivity Options For 3600 And 2600 Series Routers.**  
Communications Today, pNA  
August 31, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 285

... Cisco 2600 can support up to two PRI and 10 BRI connections per chassis.

The **analog modem** modules are priced from \$400 per port and are immediately available. The mixed-media modules...

...450 and \$6,450, and provide a sub-\$500 per port price for V.90 **digital modems** . (Sharon **Power** , Cisco Systems, 512/249-3142, <http://www.cisco.com>.)

**19/3,K/5 (Item 3 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03963361 Supplier Number: 50344111 (USE FORMAT 7 FOR FULLTEXT)  
**BRIEFS**  
ISDN News, v9, n36, pN/A  
Sept 8, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newsletter; Trade  
Word Count: 335

... Cisco 2600 can support up to two PRI and 10 BRI connections per chassis.

The **analog modem** modules are priced from \$400 per port. The mixed-media modules for the Cisco 3600...

...450 and \$6,450, and provide a sub-\$500 per port price for V.90 **digital modems** . (Sharon **Power** , Cisco Systems, 512/249-3142.)  
ZyXEL Launches Two New Routers For Small Offices.  
ZyXEL Communications...

**19/3,K/6 (Item 4 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03960103 Supplier Number: 50334663 (USE FORMAT 7 FOR FULLTEXT)  
**Cisco Develops New Connectivity Options For 3600 And 2600 Series Routers**  
Communications Today, p5  
August 31, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 233

... support dial services, Internet access, virtual private networks, and data, voice and video integration.

The **analog modem** modules are priced from \$400 per port and are immediately available. The mixed-media modules...

...450 and \$6,450, and provide a sub-\$500 per port price for V.90 **digital modems**. (Sharon Power, Cisco Systems, 512/249-3142, <http://www.cisco.com>.)

19/3,K/7 (Item 5 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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02374478 Supplier Number: 44677720 (USE FORMAT 7 FOR FULLTEXT)  
**NTT Develops Ultrafast Modem Chips for Digital Wireless Communications**  
New Era Japan, n208, pN/A  
May 15, 1994  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 222

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...signals at a speed of 60 Mbps, or 4.6 times faster than existing all - **digital modem** equipment. They are also only one - third the size of high-speed **analog modems** now in general use and consume only one - tenth as much **power**. These chips are expected to contribute to the design of smaller, more reliable wireless equipment...

...reliable modem devices for these systems as well. NTT has succeeded in creating three all **digital modem** LSIs. The modulator and demodulator LSIs are fabricated with the CMOS process and the signal...

...the new modulator and demodulator LSIs provide a dramatic improvement in transmission speed over existing **digital modem** LSIs. The latter usually operate at 13 Mbps or at 400 kbps for burst operation. (No...

19/3,K/8 (Item 1 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)  
(c) 2001 Bell & Howell. All rts. reserv.

01209272 98-58667

**How to buy a modem**

Anonymous

Agency Sales Magazine v26n5 PP: 33-34 May 1996

ISSN: 0162-3656 JRNL CODE: AGE

WORD COUNT: 961

...TEXT: the minute. Remember, when it comes to modems, nobody ever complains of too much speed.

\* **Digital Modems**. If you really plan to be a **power** user, you might look into the new **digital modems**. Also known as terminal adapters, **digital modems** require special "ISDN" (integrated services digital network) telephone lines, available from the regional Bell companies...

... receive data at more than 60 kbps -more than twice as fast as the fastest **analog modems**.

\* You'll want fax capability. Most of today's modems send both data communications and...

19/3,K/9 (Item 2 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2001 Bell & Howell. All rts. reserv.

01128610 97-78004

**The Internet gets media hype but the Intranet gets corporate attention**

Trowbridge, Dave

Computer Technology Review v15n10 PP: 1, 6+ Oct 1995

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1371

...TEXT: complete end-to-end system for wide area remote connectivity." Among these were the Impact **digital modem**, with Multilink PPP and an optional built-in V.32 **analog modem**. The Impact series incorporates dynamic bandwidth allocation, allowing simultaneous use of both ISDN channels for...

... fax machine. Other products shown were the Arpeggio series of ISDN bridge/routers for connecting **power** users and remote office LANs to the corporate LAN, capable of both IP and IPX...

**19/3,K/10 (Item 1 from file: 553)**

DIALOG(R)File 553:Wilson Bus. Abs. FullText

(c) 2001 The HW Wilson Co. All rts. reserv.

03562349 H.W. WILSON RECORD NUMBER: BWBA97062349 (USE FORMAT 7 FOR FULLTEXT)

**How to buy a modem.**

Vernon, Stan

The CPA Journal (CPA J) v. 67 (July '97) p. 74

LANGUAGE: English

WORD COUNT: 877

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... by the minute. When it comes to modems, nobody even complains of too much speed.

\* **Power** users may want to look into the new **digital modems**. Also known as terminal adapters, **digital modems** require special "ISDN" (integrated services digital network) telephone lines, available from the regional Bell companies...

...receive data at more than 60 kbps--more than twice as fast as the fastest **analog modems**.

\* Most of today's modems send both data communications and faxes with equal ease. The...

**19/3,K/11 (Item 1 from file: 813)**

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1074158

NYW094

**Access Beyond Begins Shipping New Modular Design Remote Access Server The Ab2400**

DATE: March 26, 1997

16:32 EST

WORD COUNT: 700

... communications and link modules have been designed for the AB2400; 16 async ports module, 8 **analog modems** module, 12, 24 and 30 **digital modems** modules, 6 port ISDN BRI module, Ethernet module and even **power** supplies can be user installed.

"Costly obsolescence is a thing of the past with the...

**19/3,K/12 (Item 2 from file: 813)**

DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1023948

ATM035

**Hayes Comes On Strong With Complete Family of Remote Access Server Products**

DATE: November 18, 1996 17:58 EST WORD COUNT: 808

...in any chassis. Access device modules  
will be available in the following types: v.34 analog modems , digital  
modems ,  
T1, E1, ISDN BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The  
Century  
9200 chassis supports 6 modules and the CENTURY 9400 supports 8 modules and  
has capacity for dual power supplies. The CENTURY 9800 supports 12  
modules,  
dual power supplies and is targeted for high density, corporate or ISP  
sites.

"We've set the...

19/3,K/13 (Item 3 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1018385

ATW014

**Hayes Comes on Strong With Complete Family of Remote Access Server Products**

DATE: November 6, 1996 13:12 EST WORD COUNT: 818

...in any chassis. Access device modules  
will be available in the following types: v.34 analog modems , digital  
modems ,  
T1, E1, ISDN BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The  
Century  
9200 chassis supports 6 modules and the CENTURY 9400 supports 8 modules and  
has capacity for dual power supplies. The CENTURY 9800 supports 12  
modules,  
dual power supplies and is targeted for high density, corporate or ISP  
sites.

"We've set the...

?

22/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2001 The Gale Group. All rts. reserv.

01639942 Supplier Number: 48435296 (USE FORMAT 7 FOR FULLTEXT)  
**Analog Semiconductors from Texas Instruments Make High-Performance DSPs Easier to Use**  
PR Newswire, p0420DAM002  
April 20, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 477

... are powerful real-time processors that today drive advanced electronics like cellular phones, high-speed **modems** and high-performance disk drives. Analog technology is needed in every DSP application to perform...

...variety of functions including converting sound and light into digital 0s and 1s, managing the **power** supply to the DSP and amplifying signals to **desired levels**.

The analog semiconductors TI introduced today are chips that control the electrical current that fuels...

22/3,K/2 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2001 The Gale Group. All rts. reserv.

01421732 Supplier Number: 46676835 (USE FORMAT 7 FOR FULLTEXT)  
**Collins SATCOM Provides Secure Military Airborne Communications**  
News Release, pN/A  
Sept 2, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 473

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...STU-III Secure Telephone Unit digitizes the voice, encrypts the data and sends it as **modem** tones over the connection, providing absolute privacy between air and ground. In secure data or...

...manner. Several types of STU-III units are available, depending on the application and the **level** of security **required**. More than 500 Collins SATCOM units are currently in operation worldwide. Beyond SATCOM's communication...

...maintain ATC contact. Collins SATCOM consists of three units: the satellite data unit, a high **power** amplifier, and a radio frequency unit. Modular design of the system allows operators to customize...

22/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04083375 Supplier Number: 53680692 (USE FORMAT 7 FOR FULLTEXT)  
**Notebook Security: IBM Unveils Industry's First Notebook PCs With Radio Frequency-based Security. (ThinkPad 770Z and 600E notebook PCs ) (Product Announcement)**  
EDGE: Work-Group Computing Report, pNA  
Feb 1, 1999  
Language: English Record Type: Fulltext  
Article Type: Product Announcement  
Document Type: Newsletter; Trade

Word Count: 1261

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...developers, the ThinkPad 770Z and 600E models also deliver advanced Windows NT Workstation functionality, including **power** management and Hot Plug PC Card support. The ThinkPad 770Z models are designed for users...

...computer. Expanding its reputation as the benchmark for high-end notebook computers, the 770Zs provide **power** users with stellar performance, multimedia, connectivity and configuration flexibility. The new systems feature large 14...

...and include a DVD drive, 8MB of video RAM and an integrated v.90 56K **modem**. The 770Zs also facilitate advanced communications with telephony support for speaker phone and answering machine...

...of standard memory (expandable to 288MB), 4GB-6GB hard drives and integrated V.90 56K **modems**. For enhanced productivity, the new models support multiple monitors, so users can work on two...of the new ThinkPads facilitates channel assembly and customization, while simplifying repairs by reducing the **amount** of time **required** to diagnose, remove and replace defective components by 35 percent. These efficiencies have enabled IBM...

22/3,K/4 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03919450 Supplier Number: 50148774 (USE FORMAT 7 FOR FULLTEXT)

-CRTC: Telecom Decision CRTC 98-9 (Part 2 of 2)

M2 Presswire, pN/A

July 10, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 3878

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...introduced into the market for cable services. Further, incumbent cable companies do not have market **power** in terms of advertising vehicles and, in the Commission's view, consumers are generally aware...

...fibre networks, as well as Shaw's relationships with its customers are sources of market **power**. The question of whether Shaw derives an undue advantage from its relationship with its existing...

...out below, to ensure that appropriate provisions regarding confidential information apply and to retain the **power** to impose conditions on the offering and provision of these services as may be necessary...access ISPs in various ways, including through the use of switched voice grade services, cable **modems**, asymmetrical digital subscriber line (ADSL) services and dedicated access services. For example, most residential IS...

...data access using a voice grade line (currently, up to 56 Kbps capability) and various **modem** technologies. Integrated services digital network (ISDN) services provide capacity in 64 Kbps increments, and each...

...Decision CRTC 96-14, 23 December 1996). Further, the Commission has forborne from exercising its **power** to approve tariffs with respect to most other services offered by non-dominant carriers (Telecom...

...speed access services. 69. There are various higher speed access service options (for example, cable **modem** and ADSL services) which are still evolving, and are only now becoming more widely available...

...requested that the Commission forbear unconditionally from regulating its services, given its lack of market **power**. Access to Underlying

Telecommunications Facilities and Forbearance from Cable Carrier Retail Level IS 71. The...

...contrary to subsection 27(2) of the Act. 72. The Commission notes that currently cable-modem based retail ...rural areas in the short term. With respect to the issue of access to facilities **required** to offer retail **level** ISs at lower speeds, the Commission notes that lower speed access service availability is currently...

...carriers. The Commission considers that incumbent telephone companies and incumbent cable companies have substantial market **power** with respect to higher speed access services, and that this market is not yet sufficiently...

...development of retail level telecommunications services. The Commission finds that to forbear from exercising its **power** to approve tariffs with respect to higher speed access services offered by a broadcast carrier...

**22/3,K/5 (Item 3 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03268511 Supplier Number: 46708169 (USE FORMAT 7 FOR FULLTEXT)  
**56,000 BPS Modem Technology, Not As Good As You Might Think 09/13/96**  
Newsbytes, pN/A  
Sept 13, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; General Trade  
Word Count: 443

... that the maximum transmission speed is around 56,000 bps. Furthermore, because of the high **power levels required** to achieve this transmission speed, the back channel will only operate at standard (analog) **modem** speeds," he told Newsbytes.

Pechey told Newsbytes that this back channel will support data transfers...

**22/3,K/6 (Item 4 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02397760 Supplier Number: 44743051 (USE FORMAT 7 FOR FULLTEXT)  
**IBM's HAS HOT NEW MWAVE SIGNAL PROCESSOR THAT RUNS COOL**  
Computergram International, n2430, pN/A  
June 7, 1994  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 254

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...chip is claimed to provide improved quality sound for personal computers and to reduce the **amount** of space **required** for a signal processor subsystem on a motherboard or add-in board. The new processor has a 16-bit CPU rated at 33 MIPS and includes **power** management features that ensure that the system will operate at the lowest possible **power** levels. The MDSP2780 supports Windows Sound Systems 2.0 applications, and will support the Microsoft Corp Resource Manager Interface when it comes out. It also provides high-speed facsimile **modem** capabilities including support for the new 28.8Kbps V.34 **modem** standard, scheduled to be ratified later this year. It uses an integrated AT bus master...

**22/3,K/7 (Item 1 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)

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01596773 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**56,000 BPS Modem Technology, Not As Good As You Might Think**

**(The 56,000 bps modem technology not as flexible as a standard V.34 analog modem)**

Newsbytes News Network, p N/A

September 13, 1996

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 426

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...that the maximum transmission speed is around 56,000 bps. Furthermore, because of the high **power levels required** to achieve this transmission speed, the back channel will only operate at standard (analog) **modem speeds**," he told Newsbytes.

Pechey told Newsbytes that this back channel will support data transfers...

**22/3,K/8 (Item 2 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

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01057890 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SystemSoft Software Diagnoses PCMCIA Woes**

**(SystemSoft offers 3 new software tools to make using PCMCIA cards easier)**

Newsbytes News Network, p N/A

October 03, 1994

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 921

ABSTRACT:

...at SystemSoft. CardPower comes with a Windows-based interface that lets the user set the **desired levels of power** conservation for lengthening battery life, and its **power management** options include: "save and restore" for PCMCIA **modems**; local standby for **modems** and AT Attachment drives; and automatic shutdown of inactive PCMCIA cards. CardLite is an add-on to CardSoft designed to support PCMCIA **modem** and ATA cards in the "lowest memory footprint possible," and revolves around 2 components: CardLite Basic, which supports **modem** cards in 9 to 15 KB of memory; and CardLite Enhanced, which supports **modem** and ATA cards in 15KB to 25KB. Full text discusses new products in more detail.

...

**22/3,K/9 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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00710564 93-59785

**Opening the channels of ISDN**

Earley, John

Telecommunications v27n3 (Americas Edition) PP: 44-45 Mar 1993

ISSN: 0278-4831 JRNL CODE: TEC

WORD COUNT: 1676

...TEXT: the same speed at both ends of the link, V.110 will fail. To the **modem** enthusiast this is clearly a weakness as it removes much of the flexibility inherent with asynchronous communications. Another drawback to this complex approach to rate adaption is the sheer **amount** of processing **power required** to run it.



Given these shortcomings, it is surprising that so many European terminal adaptors...

22/3,K/10 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00584757 91-59104

**Technical Advances in Mobile Data Communications**

Turner, Steven

Telecommunications (International Edition) v25n11 PP: 39-46 Nov 1991

JRNL CODE: TIE

WORD COUNT: 2409

...TEXT: to cell site as the mobile telephone travels, the cellular telephone service provider maintains the **required power level** to sustain the call. During hand-off, "dead times" of a half-second or more...

... unnoticed in voice calls, they represent carrier drops to data signals and can cause the **modem** to "hang up". Cellular **modems** must anticipate this problem and compensate for it by hysteresis effects to "hold over" the

...  
?

File 2:INSPEC 1969-2001/Mar W1  
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File 6:NTIS 1964-2001/Mar W4  
Comp&distr 2000 NTIS, Intl Cpyrght All Right  
File 8:Ei Compendex(R) 1970-2001/Feb W3  
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File 238:Abs. in New Tech & Eng. 1981-2001/Feb  
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(c) 1998 Inst for Sci Info  
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(c) 2001 The Gale Group

Set	Items	Description
S1	118	ANALOG()MODEM?
S2	1618348	TRANSMIT? OR TRANSM? OR SEND?
S3	5281743	POWER OR ENERGY
S4	60041	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	10192859	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	6672918	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	4159384	LEVEL? OR AMOUNT? OR ALLOCATION
S8	51152	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	572	DIGITAL()MODEM?
S10	6219	EQUIVALEN?(3N)CLASSES
S11	863	S5 AND S6 AND S8 AND (S3 OR S4)
S12	0	S11 AND S1
S13	2	S11 AND MODEM? ?
S14	3	S1 AND S2 AND S6
S15	3	S14 NOT S13
S16	6	S1 AND S9
S17	6	S16 NOT (S14 OR S13)
S18	6	RD S17 (unique items)

13/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6289231 INSPEC Abstract Number: B1999-08-8150-028, C1999-08-3340H-083

**Title: A system for remote meter reading and load management**

Author(s): Erakovic, I.; Rakic, D.; Lapcevic, V.; Marjanovic, S.; Djonovic, M.

Author Affiliation: Fac. of Electr. Eng., Belgrade Univ., Serbia

Conference Title: Ninth International Conference on Metering and Tariffs for Energy Supply (Conf. Publ No.462) p.196-9

Publisher: IEE, London, UK

Publication Date: 1999 Country of Publication: UK viii+278 pp.

Material Identity Number: XX-1999-01472

Conference Title: Ninth International Conference on Metering and Tariffs for Energy Supply (Conf. Publ. No.462)

Conference Date: 25-28 May 1999 Conference Location: Birmingham, UK

Language: English

Subfile: B C

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Abstract: The systems for remote meter reading and load management which have been, for **evaluation** purposes, installed in New Belgrade and Pancevo are described in this paper. Two way communication link between the center and all the meters is established via **power** distribution lines by means of a modulated high frequency signal subjected to an additional direct...

... improved signal to noise ratio is achieved which stretches the propagation distance at a low **level** injected signal amplitude **required** by CENELEC standards. The whole city area is supposed to be divided into numerous zones...

... meters and affects transmission upon request, but also performs basic data processing such as current **power** engagement, aggregate **power** recording, tariffs management, etc. By regular data gathering from **modems** an intelligent tariff management with daily as well as seasonal **adjustment** can be implemented. On the bases of the **energy** and **power** flow monitoring, possible losses can be investigated, and better insight into the loading, as a...

Descriptors: carrier transmission on **power** lines...

...**power** distribution lines...

...**power** system measurement ;

...Identifiers: **power** distribution lines...

...current **power** engagement...

...aggregate **power** recording...

...**power** flow monitoring...

...**energy** monitoring

13/3,K/2 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abstracts Online

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01695864 ORDER NO: AAD99-23561

**ON THE IMPLEMENTATION OF ITERATIVE DECODING SCHEMES (RECURSIVE SYSTEMATIC CONVOLUTIONAL CODE, MAXIMAL A POSTERIORI, CODE COMBINING, PACKET COMBINING)**

Author: YI, BYUNG KWAN

Degree: D.SC.

Year: 1999

Corporate Source/Institution: THE GEORGE WASHINGTON UNIVERSITY (0075)

Source: VOLUME 60/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

...at a very low signal to noise ratio, it still poses some potential difficulties in **modem** implementation. The major issue is synchronization, since a Turbo decoder may be operating below the receiver's synchronization **threshold level**. We explore two proposed synchronization approaches—Attached Synch Mark (ASM) and **Modified** Coded Synch Mark (MCSM) and compare their performances in terms of frame synch **detection** probabilities and the average acquisition time.

We propose a novel Code Combining and Packet Combining...

...on the "hard" handoffs only. It also provides without expanding bandwidth and increasing **power** an unprecedented coding gain from the Turbo code and its associated iterative decoding.

We investigate...

?

15/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5962535 INSPEC Abstract Number: B9808-6210L-106, C9808-5620-026

**Title: The technology of computer networks now and in the future**

Author(s): de Backer, C.; van Eyken, A.

Journal: Informatie vol.39, spec. issue. p.16-25

Publisher: Kluwer Bedrijfswetenschappen,

Publication Date: July-Aug. 1997 Country of Publication: Netherlands

CODEN: INFTCR ISSN: 0019-9907

SICI: 0019-9907(199707/08)39L:16:TCNF;1-D

Material Identity Number: I229-98005

Language: Dutch

Subfile: B C

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...Abstract: and wide area networks (WANs) are considered and their implications for devising a strategy for **change** from old technology to new infrastructures are discussed regarding cables, the types of **transmission** media available and factors affecting choice, network topology and cabling plan are considered. Developments in...

... in detail include Ethernet-segments, Fast Ethernet, Ethernet Switching and FDDI. In WANs, developments include **analog modems**, ISDN, X25 and Frame Relay-ATM.

...Identifiers: **transmission** media...

...**analog modems** ;

15/3,K/2 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1797342 NTIS Accession Number: N94-22805/3

**Asynchronous Timing and Doppler Recovery in DSP Based DPSK Modems for Fixed and Mobile Satellite Applications**

Koblents, B. ; Belanger, M. ; Woods, D. ; McLane, P. J.

Queens Univ., Kingston (Ontario). Dept. of Electrical Engineering.

Corp. Source Codes: 888888888; Q4705867

Sponsor: National Aeronautics and Space Administration, Washington, DC. 1993 6p

Languages: English

Journal Announcement: GRAI9412; STAR3206

In JPL, Proceedings of the Third International Mobile Satellite Conference (Imsc 1993) p 405-410. Sponsored by Telecommunications Research Inst. Of Ontario and Natural Sciences and Engineering Research Council.

NTIS Prices: (Order as N94-22735/2, PC A25/MF A06)

While conventional **analog modems** employ some kind of clock wave regenerator circuit for synchronous timing recovery, in sampled modem receivers the timing is recovered asynchronously to the incoming data stream, with no **adjustment** being made to the input sampling rate. All timing corrections are accomplished by digital operations...

... channel, where Doppler shifts and multipath fading degrade the pi/4-DQPSK signal. Two simple **modifications** to Gardner's zero crossing tracker enable it to remain useful in the presence of...

...Descriptors: Random noise; \*Satellite communication; \*Signal fading; \*Signal processing; \*Synchronism; Algorithms; Bandwidth; Doppler effect; Errors; Multipath **transmission** ; Receivers; Sampled data systems

15/3,K/3 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01438470 JICST ACCESSION NUMBER: 92A0082228 FILE SEGMENT: JICST-E

**Development of Full Color Facsimile.**

TANAKA SEIICHI (1); TAKEHARA TOSHIO (1); AO MITSUHIRO (1); NAGANO FUMIKAZU (1)

(1) Sharp Corp.

Shapu Giho(Sharp Technical Journal), 1991, NO.51, PAGE.59-62, FIG.6, TBL.1, REF.2

JOURNAL NUMBER: G0524AAD ISSN NO: 0285-0362 CODEN: STEJD

UNIVERSAL DECIMAL CLASSIFICATION: 621.394

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

ABSTRACT: A full color facsimile has been newly developed by employing a high-speed **analog modem**, 14400BPS and the color compression techniques. AVQ(Adaptive Vector Quantization techniques with less deterioration developed...

...Color Scanner Printer CX-5000. The features of the facsimiles. a are high-speed electrical **transmission** of A4 size full color image in approx. 3 minutes, and the worlds first desk top size for the **transmission** /reception united type. The reproduced picture quality has greatly improved approaching that of photograph. (author...

...BROADER DESCRIPTORS: correction(**modification** );

18/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

5622575 INSPEC Abstract Number: B9708-6210H-002, C9708-7410F-039

**Title: A digital signal processor yields enhanced data/FAX pump**

Author(s): Chame, A.

Author Affiliation: Motorola Inc., Sunnyvale, CA, USA

Conference Title: 1997 IEEE Aerospace Conference. Proceedings (Cat. No.97CH36020) Part vol.4 p.115-28 vol.4

Publisher: IEEE, New York, NY, USA

Publication Date: 1997 Country of Publication: USA 4 vol. (xxiv+405+567+637+515) pp.

ISBN: 0 7803 3741 7 Material Identity Number: XX97-00519

U.S. Copyright Clearance Center Code: 0 7803 3741 7/97/\$5.00

Conference Title: 1997 IEEE Aerospace Conference

Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc

Conference Date: 1-8 Feb. 1997 Conference Location: Snowmass at Aspen, CO, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: hands-free speakerphone, and a facsimile machine amongst others. Further, users can implement a direct **digital modem** (DDM) efficiently connecting an Integrated Services Digital Networks Services (ISDN) terminal adapter (TA) either to a far-end ISDN TA, or an **analog modem** which normally requires significant and complex circuitry. Similarly, the implementation of a "modem pool" is...

18/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

01915502 INSPEC Abstract Number: B82047897, C82034793

**Title: A high-speed modem using microprocessor-implemented DSP**

Author(s): Price, M.W.

Author Affiliation: Halcyon Communications Inc., Atlanta, GA, USA

Conference Title: Conference Proceedings of IEEE SOUTHEASTCON '82 p. 231-4

Publisher: IEEE, New York, NY, USA

Publication Date: 1982 Country of Publication: USA 581 pp.

Conference Date: 4-7 April 1982 Conference Location: Destin, FL, USA

Language: English

Subfile: B C

Abstract: **Analog modems** have typically cost \$1/bit/sec for the 2400 to 9600 bps (bit per sec...

...reductions, however, depend on the state-of-the-art in analog modulation and demodulation. A '**digital**' **modem**, however, does not have this restriction. The '**digital**' **modem** described is aimed at competing with **analog modems** in this price-speed range.

...Identifiers: **digital** '**modems** ;

18/3,K/3 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2001 Engineering Info. Inc. All rts. reserv.

04356025 E.I. No: EIP96033067882

**Title: Jumping on the ISDN bandwagon**

Author: Thomas, Steve

Corporate Source: Ascend Communications, Alameda, CA, USA

Source: Computer Technology Review n Suppl Fall-Winter 1995. 4pp

Publication Year: 1995

CODEN: CTERES ISSN: 0278-9647  
Language: English

Identifiers: Plain old telephone system; Digital switching equipment;  
Primary rate interface; **Digital modems ; Analog modems**

**18/3,K/4 (Item 1 from file: 35)**  
DIALOG(R)File 35:Dissertation Abstracts Online  
(c) 2001 UMI. All rts. reserv.

01574508 ORDER NO: AADMM-17820  
**MEASURED PERFORMANCE OF A DSP IMPLEMENTATION OF DOPPLER PHASOR RECOVERY FOR DQPSK OVER MOBILE SATELLITE CHANNELS**  
Author: BELANGER, MICHEL D.  
Degree: M.SC.  
Year: 1997  
Corporate Source/Institution: QUEEN'S UNIVERSITY AT KINGSTON (CANADA) (0283)  
Source: VOLUME 35/05 of MASTERS ABSTRACTS.  
PAGE 1476. 147 PAGES  
ISBN: 0-612-17820-X

The recent trend towards **digital modems** over conventional **analog modems** has made the digital signal processor (DSP) a very useful tool. The focus of this thesis is the implementation of a **digital modem** on a pair of digital signal processing development boards and to test the implementation for...

**18/3,K/5 (Item 2 from file: 35)**  
DIALOG(R)File 35:Dissertation Abstracts Online  
(c) 2001 UMI. All rts. reserv.

01317005 ORDER NO: AADMM-76541  
**ASYNCHRONOUS TIMING RECOVERY IN M-PSK DATA MODEMS**  
Author: KOBLENTS, BENO  
Degree: M.SC.  
Year: 1992  
Corporate Source/Institution: QUEEN'S UNIVERSITY AT KINGSTON (CANADA) (0283)  
Source: VOLUME 31/04 of MASTERS ABSTRACTS.  
PAGE 1884. 150 PAGES  
ISBN: 0-315-76541-0

...shift keyed (DPSK) modems for digital voice rate communications over the satellite channel. While conventional **analog modems** employ some kind of clock wave regenerator circuit for synchronous timing recovery, in sampled modem...

...by Gardner, which requires only two samples per symbol. It is experimentally demonstrated herein, that **digital modem** systems employing Gardner's zero crossing tracker can achieve BER performance very close to theoretical...

**18/3,K/6 (Item 1 from file: 583)**  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2001 The Gale Group. All rts. reserv.

09421512  
NetComm pins profit hopes on DSL  
AUSTRALIA: NETCOMM TO INTRODUCE **DIGITAL MODEMS**  
The Australian (XAA) 28 Nov 2000 IT p.44  
Language: ENGLISH

AUSTRALIA: NETCOMM TO INTRODUCE **DIGITAL MODEMS**



... in the domestic market before 25 December 2000. NetComm will move its focus away from **analog modems** to DSL modems as the former has proven to be relatively unprofitable. Prices of NetComm's **analog modems** have plummeted by as much as AU\$ 250 to just AU\$ 150 per unit. This...  
?

14/3,K/1 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00612411 00EB10-004

**Telecommunications alternatives in accessing image intensive digital libraries**

Kibirige, Harry M  
Electronic Library, The , October 1, 2000 , v18 n5 p347-353, 7 Page(s)  
ISSN: 0264-0473

**Telecommunications alternatives in accessing image intensive digital libraries**

Focuses on telecommunications alternatives for accessing image-intensive digital libraries. Mentions three major elements that interplay to determine the final rate at which multimedia in the digital library is effectively **transmitted** to the end-user: effective national telecommunications network, institutional distribution network, and access terminal. Presents a table comparing **analog modems**, integrated services digital network (ISDN), cable modems, digital subscriber line (DSL), satellite, and frame-relay...

... in deployment, monthly cost, incoming data transfer rates, and outgoing data transfer rates. Expl these **alternatives** are commercially available to the user depending on the user's physical location and how...

14/3,K/2 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00483138 98PM01-024

**DSL vs. the world -- Believe it: connect to the Net 250 times faster over analog phone lines!**

Robinson, Phillip  
PC/Computing , January 1, 1998 , v11 n1 p263-268, 5 Page(s)  
ISSN: 0899-1847

Article examines technologies available for **transmitting** data over the Internet. Currently, the most widely used is 56 Kbps modems, which, due...

... Satellite, which uses a minidish, can pull data at 400 Kbps but users must still **send** the data thorough a traditional **analog modem** at 56 Kbps or 33.6 Kbps. The only two viable plans for increasing bandwidth...

... of nine Mbps and uses frequencies that are unused on standard telephone lines. Examines these **alternatives** and concludes that ADSL will begin to dominate the business world by mid-1998. Lists...

14/3,K/3 (Item 3 from file: 233)  
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00480989 97IE12-002

**Want speed? Go digital -- Why thrash around when ISDN is simple and reliable?**

Snyder, Joel  
Internet World , December 1, 1997 , v8 n12 p34-36, 2 Page(s)  
ISSN: 1081-3071

BOTTOM LINE column discusses the realities of fast modem speeds, and suggests some **alternatives** . Reports the results of a survey which reveals that the ``best'' connections over 56Kbps modems...

... Suggests that Integrated Services Digital Network (ISDN) is a better

speed option than the fastest **analog modems** . Explains that it features all the calling options of a standard analog telephone line, as...

Descriptors: Telecommunications; Data **Transmission** ; ISDN; Data Communication; ADSL

**14/3,K/4 (Item 4 from file: 233)**  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00378030 95PQ03-003

**WaveRunner**

Garris, John

PC Magazine-Network Edition , March 14, 1995 , v14 n5 pNE10, NE12, 2  
Page(s)

ISSN: 0888-8507

Company Name: IBM Corp.

Product Name: WaveRunner

... handles serial PC communications. In testing, it communicated well with another WaveRunner but connections to **analog modems** used the MNP 5 compression protocol rather than the more efficient V.42bis compression scheme...

... is bundled with DataFAX Lite from Trio Information Systems, a fax program suitable for basic **sending** and receiving. The modem is an ``

**Editors** ' Choice.' Includes two photos. (djd)

**14/3,K/5 (Item 1 from file: 256)**  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00121224 DOCUMENT TYPE: Review

**PRODUCT NAMES: Homeline Starter Kit PowerMac (784699)**

**TITLE: HomeLine Starter Kit**

**AUTHOR: Rizzo, John**

**SOURCE: MacAddict, v4 n12 p84(1) Dec 1999**

**ISSN: 1088-548X**

**HOME PAGE: <http://www.imaginemedia.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

**REVISION DATE: 20001130**

...range used by Homeline Starter Kit is different from that of standard voice and data **transmissions** . Cards use the HomePNA networking standard, which supports the majority of AppleTalk and TCP/IP...

...which makes PCs compatible with AppleTalk networks, and SurfDoubler, for sharing an Internet connection via **analog modem** , cable modem, Digital Subscriber Line (DSL), or ISDN.

**DESCRIPTORS: LAN Alternatives ; PowerMac; Home Automation; Data Communications; Apple Macintosh; IBM PC & Compatibles; MacOS**

**14/3,K/6 (Item 2 from file: 256)**  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00117884 DOCUMENT TYPE: Review

PRODUCT NAMES: Internet Access (840114)

TITLE: Easy, Low-Cost Web Access

AUTHOR: Langa, Fred

SOURCE: Windows Magazine, v7 n1 p54(6) Summer 1999

ISSN: 1060-1066

HOME PAGE: <http://www.winmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 19990830

...and ISDN routers. Access choices include 56K dial-up, ISDN, ADSL, cable, and satellite. These **alternatives** are compared for downstream speed, upstream speed, IP address type, setup/equipment, monthly charges, advantages...

...slow compared to newer connectivity methods. ADSL is available in many price and speed of **transmission** choices, but is not yet widely available. Cable is low-priced, and requires no phone...

...Software NATs offer the least expensive and easiest way to share any Internet connection, including **analog**, **modem**, ISDN, xDSL, cable modem, satellite, and others. One of the best is SyGate, which

15/3,K/1 (Item 1 from file: 233)  
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00468770 97WW08-223

**56K server supports U.S. Robotics and Lucent -- Modems built into Model 8000 from Bay Networks**

Semich, J William  
WebWeek , August 18, 1997 , v3 n26 p25, 1 Page(s)  
ISSN: 1081-3071  
Company Name: Bay Networks  
Product Name: Bay Model 8000 Remote Access Concentrator

... server. Adds that it supports both the x2 and the K56flex technologies and comes with **digital modems** built in. Also says that it automatically configures itself to accept incoming calls from **analog modems** , digital/hybrid modems, or ISDN modems. Includes one photo. (dpm)

15/3,K/2 (Item 2 from file: 233)  
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00423784 96PW05-004

**IBM WaveRunner**

Ross, Randy  
PC World , May 1, 1996 , v14 n5 p50-51, 2 Page(s)  
ISSN: 0737-8939  
Company Name: IBM Corp.  
Product Name: IBM WaveRunner

...the IBM WaveRunner (\$511 for ISA card model, \$558 for PC Card model), an internal **digital modem** from IBM Corp. (800). Says internal modems have the advantage of being less expensive than external ones, and for **digital modems** they can be faster since external modems are limited by the 155 Kbps speed of...

...150), and it doesn't work with Windows 95. The model can work as a **digital modem** or emulate a 14.4 Kbps **analog modem** . (djd)

15/3,K/3 (Item 3 from file: 233)  
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00399972 95PM10-020

**Ultrafast digital modems**

Hogan, Mike  
PC/Computing , October 1, 1995 , v8 n10 p205-210, 5 Page(s)  
ISSN: 0899-1847  
Company Name: ZyXEL  
Product Name: ZyXEL Elite 2846I-U

**Ultrafast digital modems**

Presents reviews of five **digital modems** (ISDN adapters). Three of these were terminal adapters and two were bridge/routers for use...

... speeds of 500 Kbps. An illustration compares the performance of ISDN modems with that of **analog modems** . An included article by Ann Culver (p208), an ISDN expert provides guidelines for preparing for...

15/3,K/4 (Item 4 from file: 233)  
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00399960 95PQ10-211

**IBM's WaveRunner shows promise**

Freed, Les

PC Magazine-Network Edition , October 24, 1995 , v14 n18 pNE45, 1  
Page(s)

ISSN: 0888-8507

Company Name: IBM Corp.

Product Name: WaveRunner **Digital Modem** , Model 73G1393

Product Name: WaveRunner **Digital Modem** , Model 73G1393

Presents a mixed review of the WaveRunner **Digital Modem** , Model 73G1393 (\$545), a combination ISDN terminal adapter and **analog -modem** emulator from IBM Corp., Research Triangle Park, NC (800). The device supports ISDN basic-rate...

Identifiers: WaveRunner **Digital Modem** , Model 73G1393; IBM Corp.

**15/3,K/5 (Item 5 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00385587 95LK05-020

**Motorola introduces BitSURFR Digital Modem**

LINK-UP , May 1, 1995 , v12 n3 p34, 1 Page(s)

ISSN: 0739-988X

Company Name: Motorola

Product Name: BitSURFR TA210 **Digital Modem**

**Motorola introduces BitSURFR Digital Modem**

Product Name: BitSURFR TA210 **Digital Modem**

Announces that Motorola (800) has released the BitSURFR TA 210 **Digital Modem** (\$495) which enables transmission speeds utilizing digital telephone lines. Says the BitSURFR uses Integrated Services...

...that transmits voice and data at 64kps, more than twice the speed of the fastest **analog modem** . Notes that it is easy to install and configure, and it compatible with Windows, DOS...

Identifiers: BitSURFR TA210 **Digital Modem** ; Motorola

**15/3,K/6 (Item 6 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00378625 95PK03-109

**First PCMCIA-based adapter connects notebooks to ISDN -- IBM's WaveRunner provides strong performance, variety of connectivity options**

Tam, Terry

PC WEEK , March 13, 1995 , v12 n10 p69-72, 2 Page(s)

ISSN: 0740-1604

Company Name: IBM Corp.

Product Name: PCMCIA WaveRunner ISDN or **Analog Modem**

Product Name: PCMCIA WaveRunner ISDN or **Analog Modem**

Presents a very favorable review of the PCMCIA WaveRunner ISDN or **Analog Modem** (\$595), a **digital modem** from IBM Corp. (800). Explains that this modem enables notebook users to have both ISDN digital and **analog modem** connectivity while on the road. Features include a full-function ISDN terminal adapter, and a 14.4Kbps **analog modem** in a PCMCIA form factor. Notes that the adapter can bond two ISDN B channels...

Identifiers: PCMCIA WaveRunner ISDN or **Analog Modem** ; IBM Corp.

21/3,K/1 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00537638 99IE06-311

**Weighing options for speedy remote access to intranets**  
Singh, Pritpal  
Internet World , June 28, 1999 , v5 n24 p16, 1 Page(s)  
ISSN: 1081-3071

...is 56 Kbps, and this speed is not always achievable. Mentions that an Integrated Services **Digital** Network (ISDN) line is a popular **alternative** , and it works by delivering two simultaneous connections over a single line. Indicates that ISDN digitally **transmits** data while regular phone lines yield **analog transmission** . Explains that a third **alternative** is a cable **modem** , which enables users to experience speeds ranging from 500 Kbps up to 1.5 Mbps or more depending on traffic load and network architecture. Describes **Digital** Subscriber Line (DSL) technology as the fourth **alternative** . Explains that it works by using **digital** coding techniques to attain greater capacity out of a regular telephone line.  
(MEM)

Descriptors: Remote Computing; Intranets; Telecommuting; Telephone; ISDN; **Modem** ; DSL

21/3,K/2 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00474686 97PI10-019

**ThinkPad 770**  
Venezia, Carol  
PC Magazine , October 7, 1997 , v16 n17 p48-49, 2 Page(s)  
ISSN: 0888-8507  
Company Name: IBM PC  
URL: <http://www.pc.ibm.com>  
Product Name: IBM ThinkPad 770

... SDRAM, 512K L2 cache, 5.1GB hard disk, 20X DVD drive, 33.6 Kbps integrated **modem** , 14.1-inch TFT SGA display, Dolby **digital** audio-out support, and stereo speakers. The system includes an UltraBay that can accommodate the...

... Adapter and a video-in port, which can capture still or motion video from an **analog** source. In testing, its scores were competitive and it posted the best score of the...

... enough words listed on this page to describe the IBM ThinkPad 770.'' It is an **Editors** ' Choice.'' Includes two photos. (djd)

Descriptors: Lap-sized Microcomputer; Pentium; MMX; Mobile Computing; Benchmark Testing; **Power** Supply

21/3,K/3 (Item 3 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00474679 97PI10-012

**Up close & personal**  
Kistner, Toni F  
PC Magazine , October 7, 1997 , v16 n17 p42, 1 Page(s)  
ISSN: 0888-8507  
Company Name: Best Data Products; Philips Electronics; Winnov  
URL: <http://www.bestdata.com> <http://www.pps.philips.com> <http://www.winnov.com>  
Product Name: Best Data PCV100; Philips EasyCam; Philips EasyConnect; Winnov Videum

...818) includes a 32-bit PCI video capture card, video camera, and 33.6 Kbps **modem** . It is bundled with Ulead's Video Studio and VDOPhone. This kit can capture still and video images and **transmit** them over the Net via e-mail, while additional software allows it to work over **analog** phone lines. EasyCam (\$500) and EasyConnect (\$300) from Philips Electronics (800) include video capture boards and are bundled with Enhanced CU-SeeMe, **Digital** Video Producer, for video **editing** , and a capture utility. The kits also include a color camera. Videum from Winnov (408...

Descriptors: Videoconferencing; Kit; Internet; Local Area Networks; Video Processing; Data **Transmission** ; Bundled Software

21/3,K/4 (Item 4 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00459086 97PW05-014

**Bigpicture: good idea, bad support policy**

Capen, Tracey

PC World , May 1, 1997 , v15 n5 p82, 1 Page(s)

ISSN: 0737-8939

Company Name: U.S. Robotics

Product Name: U.S. Robotics Bigpicture Video Kit

... videoconferencing package from U.S. Robotics (800). The kit includes an internal 33.6 Kbps **modem** , a small video camera that sits on the monitor, a video capture card, and image **editing** and **modem** software (including Asymetrix's **Digital** Video Producer for **editing** and Kai's **Power** Goo for morphing). The package requires a minimum of a 75MHz Pentium system at either end of the conference and since it uses **analog** video image quality tends to be choppy. The system is complex to set up. Users...

21/3,K/5 (Item 5 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00448156 97PK01-117

**IDSL may boost bandwidth -- Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital traffic over networks**

Surkan, Michael

PC WEEK , January 13, 1997 , v14 n2 p82, 1 Page(s)

ISSN: 0740-1604

Company Name: Ascend Communications

Product Name: IDSL

... Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital traffic over networks

... without the congestion experienced in the voice networks. Notes that it runs on existing ISDN **modems** and equipment. However, complains that the service has only limited availability and that, although it is faster than **analog** connections, it is slower than other solutions. Concludes that other **alternatives** are in development that will attempt to address the problem of slow data connections. Includes...

Descriptors: Data **Transmission** ; ADSL; ISDN; Speed; **Analog** / **Digital** Circuit

21/3,K/6 (Item 6 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00433111 96NC08-006

**SOHO ISDN -- ISDN terminal adapters, routers and bridges to extend your enterprise**



Newman, Jeff

Network Computing , August 15, 1996 , v7 n12 p82-95, 10 Page(s)

ISSN: 1046-4468

Company Name: 3Com; Trancell Systems

Product Name: 3Com Impact; Trancell Systems WebRamp 1X8R

...terminal adapters and bridges and routers. Features a table comparing the price, multilink PPP, voice/ **analog** ports, included fax/**modem** , dynamic **analog** / **digital** channel allocation, Windows configuration utilities, remote configuration, WAN interface, PC interface, and compression of nine products from nine companies. Given **Editor** 's Choice awards are the Impact (\$749) external terminal adapter from 3Com Corp. (800, 408...

Descriptors: ISDN; Vendor Guide; Network Interface Cards; Router; Bridge; Data **Transmission** ; Network Management

21/3,K/7 (Item 7 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00382287 95CR04-129

**Two phone lines: the next dinosaur?**

Dunlap, Charlotte

Computer Reseller News , April 10, 1995 , n625 p49-51, 2 Page(s)

ISSN: 0893-8377

Company Name: AT&T Paradyne; US Robotics; Hayes Microcomputer Products ; Creative Labs; Motorola

... conferencing services. Says that this is possible by either adapting advanced ISDN lines or two **analog** lines. Adds that while videoconferencing is becoming more popular in the personal conferencing arena, value...

... are giving data conferencing technology higher priority in terms of development. Cites four companies integrating **digital** simultaneous voice and data (DSVD) technology into **modems** and chip sets: AT&T Paradyne Corp.; U.S. Robotics Inc.; Hayes Microcomputer Products Inc...

... the International Telecommunications Union (ITU). Notes that Motorola Inc.'s Information Systems Group is developing **Power Class modems** to integrate **alternative** data conferencing products. Includes a chart. (ACD)

Descriptors: Telecommunications; Teleconferencing; Product Development ; Cost Estimation; **Digital** Signal Processing; Trends

21/3,K/8 (Item 8 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00315403 93PV06-014

**Dispatching documents from the desktop with fax/ modems**

Meers, Trevor

PC Novice , June 1, 1993 , v4 n6 p68-73, 4 Page(s)

ISSN: 1052-1186

Company Name: Hayes Microcomputer Products; Intel Corp.

Product Name: OPTIMA96+FAX96; OPTIMA144; SatisFAXtion 100; SatisFAXtion 200; SatisFAXtion 400

**Dispatching documents from the desktop with fax/ modems**

Discusses fax/ **modems** which allow PCs to receive fax messages over regular phone lines. Describes how a **modem** works, **changing digital** computer information signals into **analog** phone line signals and visa versa. Also how a fax works by a scanning light and dark images on a page and turning the images into digits than can be **transmitted** . Reviews internal and external fax/ **modems** ; notes advantages over traditional faxing: privacy and clarity, and the ability to save time; **edit** the

images and use regular paper. Discusses the pros and cons of fax/OCR software packages for turning received faxes into **editable** text. Recognizes problems of fax/modems tying up computer's processor and says separate processor can be added to system for...

Descriptors: Facsimile; **Modem** ; Hardware Evaluation; Telecommunications

**21/3,K/9 (Item 9 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00243081 91PI06-109

**Hayes Pocket Edition 2400**

Barr, Christopher

PC Magazine , June 25, 1991 , v10 n12 p49, 1 Pages

ISSN: 0888-8507

Company Name: Hayes Microcomputer Products

Product Name: Pocket **Edition** 2400

**Hayes Pocket Edition 2400**

Product Name: Pocket **Edition** 2400

Presents a favorable review of the Pocket **Edition** 2400 (\$179), a 2400-bps pocket **modem** from Hayes Microcomputer Products Inc., Atlanta, GA (404). The **modem** requires an RS-232 serial port and an RJ-11 jack. It requires no batteries, drawing **power** from the serial port to execute AT commands and getting **power** for all other functions from the phone jack. It is very small and light, but is a bare-bones **modem** , lacking a speaker, data compression, error control, or indicator lights. It is bundled with SmartcomEZ...

... choice for providing convenient access to e-mail for users who always call on conventional **analog** phone lines (some **digital** lines do not supply enough **power** to run the **modem** ). Includes one photo. (djd)

Descriptors: **Modem** ; Hardware Review

Identifiers: Pocket **Edition** 2400; Hayes Microcomputer Products

**21/3,K/10 (Item 10 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00238025 91CO04-010

**Modems make easy Master the mysteries of modem speeds**

Banks, Michael A

COMPUTE! , April 1, 1991 , v13 n4 p40-44, 4 Pages

ISSN: 0194-357X

**Modems make easy Master the mysteries of modem speeds**

Explains **modem** **transmission** speed. Says that bits per second is a measure of the number of data bits **transmitted** each second in a communications channel, while baud rate is a measure of the number of times per second a signal in a communications channel varies, or **changes** states. Says a more effective way of thinking about text data transfer is characters per second, the number of characters **transmitted** by the **modem** in one second. Contains a side-bar article called "'Analog vs. digital signals.'" Contains one graph. (vl)

Descriptors: **Modem** ; Data Communication; Data **Transmission** ; Tutorial

**21/3,K/11 (Item 11 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00147088 87PK07-307

Digital - transmission services provide higher quality, speed: Phone

**companies offer alternative to analog lines**  
Hindin, Eric  
PC Week , Jul 28 1987 , v4 n30 pC/1+, 3 Pages  
ISSN: 0740-1604

Digital - transmission **services provide higher quality, speed: Phone companies offer alternative to analog lines**

Notes most phone companies will lease lines to carry **digital transmission** . States these services are available from both local and long distance companies. Says **digital transmission** is faster and higher quality than **analog** ; in some applications it might be cheaper. Discusses equipment that will **transmit** voice over **digital** lines, allowing companies to use fewer lines. Sidebar compares **analog** to **digital** leased line costs for three routes. Includes one illustration of Racal-Vadic **digital transmission** device.

Descriptors: DATA TRANSMISSION ; MODEM

21/3,K/12 (Item 1 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00092061 DOCUMENT TYPE: Review

**PRODUCT NAMES: Company - Microsoft Corp (850195)**

**TITLE: Microsoft unleashes CTI strategy**  
**AUTHOR: Wolfe, Alexander**  
**SOURCE: Electronic Engineering Times, v891 p1(2) Mar 4, 1996**  
**ISSN: 0192-1541**  
**HOME PAGE: http://www.eet.com**

**RECORD TYPE: Review**  
**REVIEW TYPE: Company**

**REVISION DATE: 20001230**

...s computer-telephony integration strategy. To create PC-based PBXs, Microsoft plans to bring voice-modem , **Digital** Simultaneous Voice and Data (DSVD), and ISDN functions to Windows operating systems (OSs) in 1996. The Unimodem V specification defines new Windows 95 communications drivers supporting digitized voice data **transmission** . TAPI, already provided in Windows 95, will be part of the new Windows NT release, but DSVD, a specification that allows concurrent **transmission** of voice and data over **analog** voice lines, is probably the most important and powerful new technology to emerge. VoiceView uses 8KHz **analog** voice channels to provide **alternating** voice and data **transmission** , to enable PCs to operate as answering machines and telephones.

21/3,K/13 (Item 2 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00079693 DOCUMENT TYPE: Review

**PRODUCT NAMES: ShareVision PC3000 (389994)**

**TITLE: Sharevision PC3000: Face-to-Face Phone Conferencing**  
**AUTHOR: Kennedy, Randall C**  
**SOURCE: PC/Computing, v8 n7 p105(1) Jul 1995**  
**ISSN: 0899-1847**

**RECORD TYPE: Review**  
**REVIEW TYPE: Review**  
**GRADE: A**

REVISION DATE: 19980530

...recommended, economically priced videoconferencing system, runs on a 486 platform with Windows 3.1 to **transmit** video over standard **analog** telephone lines. Such **transmission** is much less expensive than the Integrated Services **Digital** Network (ISDN) lines required for some systems. Set up is not complex, and the product is based on a Video Blaster RT300 **editing** board, which manages up to three RCA and one S-Video input channels. The included **digital** camera provides good contrast in office environments, but motion video is only of average quality...

...or application in real-time; files are distributed via a custom file transfer program that **transmits** using an included 28.8Kbps V.Fast Class **modem** ; Delrina's WinFax Lite fax software is also bundled.

File 233:Internet & Personal Comp. Abs. 1981-2001/Mar  
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File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Jan  
(c)2001 Info.Sources Inc  
File 278:Microcomputer Software Guide 2001/Feb  
(c) 2001 Reed Elsevier Inc.

Set	Items	Description
S1	107	ANALOG()MODEM?
S2	15056	TRANSMIT? OR TRANSM? OR SEND?
S3	20821	POWER OR ENERGY
S4	54	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	21176	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	67149	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	28857	LEVEL? OR AMOUNT? OR ALLOCATION
S8	368	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	48	DIGITAL()MODEM?
S10	4	EQUIVALEN?(3N)CLASSES
S11	0	S5 AND S6 AND S8 AND (S3 OR S4)
S12	6	S1 AND S2 AND S6
S13	6	S1 AND S9
S14	6	S12 NOT S13
S15	6	S13 NOT S12
S16	519	MODEM? ? AND (S2 OR S3) AND S6
S17	0	S16 AND ANLAOG AND DIGITAL
S18	17	S16 AND ANALOG AND DIGITAL
S19	17	RD S18 (unique items)
S20	13	S19 NOT (S12 OR S13)
S21	13	RD S20 (unique items)

14/3,K/1 (Item 1 from file: 233)  
DIALOG(R) File 233:Internet & Personal Comp. Abs.  
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00612411 00EB10-004

**Telecommunications alternatives in accessing image intensive digital libraries**

Kibirige, Harry M  
Electronic Library, The , October 1, 2000 , v18 n5 p347-353, 7 Page(s)  
ISSN: 0264-0473

**Telecommunications alternatives in accessing image intensive digital libraries**

Focuses on telecommunications alternatives for accessing image-intensive digital libraries. Mentions three major elements that interplay to determine the final rate at which multimedia in the digital library is effectively transmitted to the end-user: effective national telecommunications network, institutional distribution network, and access terminal. Presents a table comparing analog modems, integrated services digital network (ISDN), cable modems, digital subscriber line (DSL), satellite, and frame-relay...

... in deployment, monthly cost, incoming data transfer rates, and outgoing data transfer rates. Expl these alternatives are commercially available to the user depending on the user's physical location and how...

14/3,K/2 (Item 2 from file: 233)  
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00483138 98PM01-024

**DSL vs. the world -- Believe it: connect to the Net 250 times faster over analog phone lines!**

Robinson, Phillip  
PC/Computing , January 1, 1998 , v11 n1 p263-268, 5 Page(s)  
ISSN: 0899-1847

Article examines technologies available for transmitting data over the Internet. Currently, the most widely used is 56 Kbps modems, which, due...

... Satellite, which uses a minidish, can pull data at 400 Kbps but users must still send the data thorough a traditional analog modem at 56 Kbps or 33.6 Kbps. The only two viable plans for increasing bandwidth...

... of nine Mbps and uses frequencies that are unused on standard telephone lines. Examines these alternatives and concludes that ADSL will begin to dominate the business world by mid-1998. Lists...

14/3,K/3 (Item 3 from file: 233)  
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00480989 97IE12-002

**Want speed? Go digital -- Why thrash around when ISDN is simple and reliable?**

Snyder, Joel  
Internet World , December 1, 1997 , v8 n12 p34-36, 2 Page(s)  
ISSN: 1081-3071

BOTTOM LINE column discusses the realities of fast modem speeds, and suggests some alternatives. Reports the results of a survey which reveals that the "best" connections over 56Kbps modems...

... Suggests that Integrated Services Digital Network (ISDN) is a better speed option than the fastest analog modems. Explains that it features

all the calling options of a standard analog telephone line, as...

Descriptors: Telecommunications; Data **Transmission** ; ISDN; Data Communication; ADSL

**14/3,K/4 (Item 4 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00378030 95PQ03-003

**WaveRunner**

Garris, John

PC Magazine-Network Edition , March 14, 1995 , v14 n5 pNE10, NE12, 2  
Page(s)

ISSN: 0888-8507

Company Name: IBM Corp.

Product Name: WaveRunner

... handles serial PC communications. In testing, it communicated well with another WaveRunner but connections to **analog modems** used the MNP 5 compression protocol rather than the more efficient V.42bis compression scheme...

... is bundled with DataFAX Lite from Trio Information Systems, a fax program suitable for basic **sending** and receiving. The modem is an ``

**Editors** ' Choice.' Includes two photos. (djd)

**14/3,K/5 (Item 1 from file: 256)**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00121224 DOCUMENT TYPE: Review

**PRODUCT NAMES: Homeline Starter Kit PowerMac (784699)**

**TITLE: HomeLine Starter Kit**

**AUTHOR: Rizzo, John**

**SOURCE: MacAddict, v4 n12 p84(1) Dec 1999**

**ISSN: 1088-548X**

**HOME PAGE: <http://www.imaginemedia.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

**REVISION DATE: 20001130**

...range used by Homeline Starter Kit is different from that of standard voice and data **transmissions** . Cards use the HomePNA networking standard, which supports the majority of AppleTalk and TCP/IP...

...which makes PCs compatible with AppleTalk networks, and SurfDoubler, for sharing an Internet connection via **analog modem** , cable modem, Digital Subscriber Line (DSL), or ISDN.

**DESCRIPTORS: LAN Alternatives ; PowerMac; Home Automation; Data Communications; Apple Macintosh; IBM PC & Compatibles; MacOS**

**14/3,K/6 (Item 2 from file: 256)**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00117884 DOCUMENT TYPE: Review

**PRODUCT NAMES: Internet Access (840114)**

**TITLE: Easy, Low-Cost Web Access**

**AUTHOR:** Langa, Fred

**SOURCE:** Windows Magazine, v7 n1 p54(6) Summer 1999

**ISSN:** 1060-1066

**HOME PAGE:** <http://www.winmag.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 19990830

...and ISDN routers. Access choices include 56K dial-up, ISDN, ADSL, cable, and satellite. These **alternatives** are compared for downstream speed, upstream speed, IP address type, setup/equipment, monthly charges, advantages...

...slow compared to newer connectivity methods. ADSL is available in many price and speed of **transmission** choices, but is not yet widely available. Cable is low-priced, and requires no phone...

...Software NATs offer the least expensive and easiest way to share any Internet connection, including **analog** , **modem** , ISDN, xDSL, cable modem, satellite, and others. One of the best is SyGate, which is...



15/3,K/1 (Item 1 from file: 233)  
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00468770 97WW08-223

**56K server supports U.S. Robotics and Lucent -- Modems built into Model 8000 from Bay Networks**

Semich, J William  
WebWeek , August 18, 1997 , v3 n26 p25, 1 Page(s)  
ISSN: 1081-3071  
Company Name: Bay Networks  
Product Name: Bay Model 8000 Remote Access Concentrator

... server. Adds that it supports both the x2 and the K56flex technologies and comes with **digital modems** built in. Also says that it automatically configures itself to accept incoming calls from **analog modems** , digital/hybrid modems, or ISDN modems. Includes one photo. (dpm)

15/3,K/2 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00423784 96PW05-004

**IBM WaveRunner**

Ross, Randy  
PC World , May 1, 1996 , v14 n5 p50-51, 2 Page(s)  
ISSN: 0737-8939  
Company Name: IBM Corp.  
Product Name: IBM WaveRunner

...the IBM WaveRunner (\$511 for ISA card model, \$558 for PC Card model), an internal **digital modem** from IBM Corp. (800). Says internal modems have the advantage of being less expensive than external ones, and for **digital modems** they can be faster since external modems are limited by the 155 Kbps speed of...

...150), and it doesn't work with Windows 95. The model can work as a **digital modem** or emulate a 14.4 Kbps **analog modem** . (djd)

15/3,K/3 (Item 3 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00399972 95PM10-020

**Ultrafast digital modems**

Hogan, Mike  
PC/Computing , October 1, 1995 , v8 n10 p205-210, 5 Page(s)  
ISSN: 0899-1847  
Company Name: ZyXEL  
Product Name: ZyXEL Elite 2846I-U

**Ultrafast digital modems**

Presents reviews of five **digital modems** (ISDN adapters). Three of these were terminal adapters and two were bridge/routers for use...

... speeds of 500 Kbps. An illustration compares the performance of ISDN modems with that of **analog modems** . An included article by Ann Culver (p208), an ISDN expert provides guidelines for preparing for...

15/3,K/4 (Item 4 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00399960 95PQ10-211

**IBM's WaveRunner shows promise**

Freed, Les

PC Magazine-Network Edition , October 24, 1995 , v14 n18 pNE45, 1  
Page(s)

ISSN: 0888-8507

Company Name: IBM Corp.

Product Name: WaveRunner **Digital Modem** , Model 73G1393

Product Name: WaveRunner **Digital Modem** , Model 73G1393

Presents a mixed review of the WaveRunner **Digital Modem** , Model 73G1393 (\$545), a combination ISDN terminal adapter and **analog -modem** emulator from IBM Corp., Research Triangle Park, NC (800). The device supports ISDN basic-rate...

Identifiers: WaveRunner **Digital Modem** , Model 73G1393; IBM Corp.

15/3,K/5 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00385587 95LK05-020

**Motorola introduces BitSURFR Digital Modem**

LINK-UP , May 1, 1995 , v12 n3 p34, 1 Page(s)

ISSN: 0739-988X

Company Name: Motorola

Product Name: BitSURFR TA210 **Digital Modem**

**Motorola introduces BitSURFR Digital Modem**

Product Name: BitSURFR TA210 **Digital Modem**

Announces that Motorola (800) has released the BitSURFR TA 210 **Digital Modem** (\$495) which enables transmission speeds utilizing digital telephone lines. Says the BitSURFR uses Integrated Services...

...that transmits voice and data at 64kps, more than twice the speed of the fastest **analog modem** . Notes that it is easy to install and configure, and it compatible with Windows, DOS...

Identifiers: BitSURFR TA210 **Digital Modem** ; Motorola

15/3,K/6 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00378625 95PK03-109

**First PCMCIA-based adapter connects notebooks to ISDN -- IBM's WaveRunner provides strong performance, variety of connectivity options**

Tam, Terry

PC WEEK , March 13, 1995 , v12 n10 p69-72, 2 Page(s)

ISSN: 0740-1604

Company Name: IBM Corp.

Product Name: PCMCIA WaveRunner ISDN or **Analog Modem**

Product Name: PCMCIA WaveRunner ISDN or **Analog Modem**

Presents a very favorable review of the PCMCIA WaveRunner ISDN or **Analog Modem** (\$595), a **digital modem** from IBM Corp. (800). Explains that this modem enables notebook users to have both ISDN digital and **analog modem** connectivity while on the road. Features include a full-function ISDN terminal adapter, and a 14.4Kbps **analog modem** in a PCMCIA form factor. Notes that the adapter can bond two ISDN B channels...

Identifiers: PCMCIA WaveRunner ISDN or **Analog Modem** ; IBM Corp.

21/3,K/1 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00537638 99IE06-311

**Weighing options for speedy remote access to intranets**

Singh, Pritpal

Internet World , June 28, 1999 , v5 n24 p16, 1 Page(s)

ISSN: 1081-3071

...is 56 Kbps, and this speed is not always achievable. Mentions that an Integrated Services **Digital** Network (ISDN) line is a popular **alternative** , and it works by delivering two simultaneous connections over a single line. Indicates that ISDN digitally **transmits** data while regular phone lines yield **analog transmission** . Explains that a third **alternative** is a cable **modem** , which enables users to experience speeds ranging from 500 Kbps up to 1.5 Mbps or more depending on traffic load and network architecture. Describes **Digital** Subscriber Line (DSL) technology as the fourth **alternative** . Explains that it works by using **digital** coding techniques to attain greater capacity out of a regular telephone line. (MEM)

Descriptors: Remote Computing; Intranets; Telecommuting; Telephone; ISDN; **Modem** ; DSL

21/3,K/2 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00474686 97PI10-019

**ThinkPad 770**

Venezia, Carol

PC Magazine , October 7, 1997 , v16 n17 p48-49, 2 Page(s)

ISSN: 0888-8507

Company Name: IBM PC

URL: <http://www.pc.ibm.com>

Product Name: IBM ThinkPad 770

... SDRAM, 512K L2 cache, 5.1GB hard disk, 20X DVD drive, 33.6 Kbps integrated **modem** , 14.1-inch TFT SGA display, Dolby **digital** audio-out support, and stereo speakers. The system includes an UltraBay that can accommodate the...

... Adapter and a video-in port, which can capture still or motion video from an **analog** source. In testing, its scores were competitive and it posted the best score of the...

... enough words listed on this page to describe the IBM ThinkPad 770.'' It is an **Editors** ' Choice.'' Includes two photos. (djd)

Descriptors: Lap-sized Microcomputer; Pentium; MMX; Mobile Computing; Benchmark Testing; **Power** Supply

21/3,K/3 (Item 3 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00474679 97PI10-012

**Up close & personal**

Kistner, Toni F

PC Magazine , October 7, 1997 , v16 n17 p42, 1 Page(s)

ISSN: 0888-8507

Company Name: Best Data Products; Philips Electronics; Winnov

URL: <http://www.bestdata.com> <http://www.pps.philips.com> <http://www.winnov.com>

Product Name: Best Data PCV100; Philips EasyCam; Philips EasyConnect; Winnov Videum

...818) includes a 32-bit PCI video capture card, video camera, and 33.6 Kbps **modem** . It is bundled with Ulead's Video Studio and VDOPhone. This kit can capture still and video images and **transmit** them over the Net via e-mail, while additional software allows it to work over **analog** phone lines. EasyCam (\$500) and EasyConnect (\$300) from Philips Electronics (800) include video capture boards and are bundled with Enhanced CU-SeeMe, **Digital** Video Producer, for video **editing** , and a capture utility. The kits also include a color camera. Videum from Winnov (408...

Descriptors: Videoconferencing; Kit; Internet; Local Area Networks; Video Processing; Data **Transmission** ; Bundled Software

21/3,K/4 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00459086 97PW05-014

**Bigpicture: good idea, bad support policy**

Capen, Tracey

PC World , May 1, 1997 , v15 n5 p82, 1 Page(s)

ISSN: 0737-8939

Company Name: U.S. Robotics

Product Name: U.S. Robotics Bigpicture Video Kit

... videoconferencing package from U.S. Robotics (800). The kit includes an internal 33.6 Kbps **modem** , a small video camera that sits on the monitor, a video capture card, and image **editing** and **modem** software (including Asymetrix's **Digital** Video Producer for **editing** and Kai's **Power** Goo for morphing). The package requires a minimum of a 75MHz Pentium system at either end of the conference and since it uses **analog** video image quality tends to be choppy. The system is complex to set up. Users...

21/3,K/5 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00448156 97PK01-117

**IDSL may boost bandwidth -- Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital traffic over networks**

Surkan, Michael

PC WEEK , January 13, 1997 , v14 n2 p82, 1 Page(s)

ISSN: 0740-1604

Company Name: Ascend Communications

Product Name: IDSL

... Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital traffic over networks

... without the congestion experienced in the voice networks. Notes that it runs on existing ISDN **modems** and equipment. However, complains that the service has only limited availability and that, although it is faster than **analog** connections, it is slower than other solutions. Concludes that other **alternatives** are in development that will attempt to address the problem of slow data connections. Includes...

Descriptors: Data **Transmission** ; ADSL; ISDN; Speed; **Analog / Digital** Circuit

21/3,K/6 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00433111 96NC08-006

**SOHO ISDN -- ISDN terminal adapters, routers and bridges to extend your enterprise**

Newman, Jeff

Network Computing , August 15, 1996 , v7 n12 p82-95, 10 Page(s)

ISSN: 1046-4468

Company Name: 3Com; Trancell Systems

Product Name: 3Com Impact; Trancell Systems WebRamp 1X8R

...terminal adapters and bridges and routers. Features a table comparing the price, multilink PPP, voice/ **analog** ports, included fax/modem , dynamic **analog** / **digital** channel allocation, Windows configuration utilities, remote configuration, WAN interface, PC interface, and compression of nine products from nine companies. Given **Editor** 's Choice awards are the Impact (\$749) external terminal adapter from 3Com Corp. (800, 408...

Descriptors: ISDN; Vendor Guide; Network Interface Cards; Router; Bridge; Data **Transmission** ; Network Management

21/3,K/7 (Item 7 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00382287 95CR04-129

**Two phone lines: the next dinosaur?**

Dunlap, Charlotte

Computer Reseller News , April 10, 1995 , n625 p49-51, 2 Page(s)

ISSN: 0893-8377

Company Name: AT&T Paradyne; US Robotics; Hayes Microcomputer Products ; Creative Labs; Motorola

... conferencing services. Says that this is possible by either adapting advanced ISDN lines or two **analog** lines. Adds that while videoconferencing is becoming more popular in the personal conferencing arena, value...

... are giving data conferencing technology higher priority in terms of development. Cites four companies integrating **digital** simultaneous voice and data (DSVD) technology into **modems** and chip sets: AT&T Paradyne Corp.; U.S. Robotics Inc.; Hayes Microcomputer Products Inc...

... the International Telecommunications Union (ITU). Notes that Motorola Inc.'s Information Systems Group is developing **Power** Class **modems** to integrate **alternative** data conferencing products. Includes a chart. (ACD)

Descriptors: Telecommunications; Teleconferencing; Product Development ; Cost Estimation; **Digital** Signal Processing; Trends

21/3,K/8 (Item 8 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00315403 93PV06-014

**Dispatching documents from the desktop with fax/ modems**

Meers, Trevor

PC Novice , June 1, 1993 , v4 n6 p68-73, 4 Page(s)

ISSN: 1052-1186

Company Name: Hayes Microcomputer Products; Intel Corp.

Product Name: OPTIMA96+FAX96; OPTIMA144; SatisFAXtion 100; SatisFAXtion 200; SatisFAXtion 400

**Dispatching documents from the desktop with fax/ modems**

Discusses fax/ **modems** which allow PCs to receive fax messages over regular phone lines. Describes how a **modem** works, changing **digital** computer information signals into **analog** phone line signals and visa versa. Also how a fax works by a scanning light and dark images on a page and turning the images into digits than can be **transmitted** . Reviews internal and external fax/ **modems** ; notes advantages over traditional faxing: privacy and clarity, and the ability to save time; **edit** the

images and use regular paper. Discusses the pros and cons of fax/OCR software packages for turning received faxes into **editable** text. Recognizes problems of fax/modems tying up computer's processor and says separate processor can be added to system for...

Descriptors: Facsimile; Modem ; Hardware Evaluation; Telecommunications

21/3,K/9 (Item 9 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2001 Info. Today Inc. All rts. reserv.

00243081 91PI06-109

**Hayes Pocket Edition 2400**

Barr, Christopher

PC Magazine , June 25, 1991 , v10 n12 p49, 1 Pages

ISSN: 0888-8507

Company Name: Hayes Microcomputer Products

Product Name: Pocket **Edition** 2400

**Hayes Pocket Edition 2400**

Product Name: Pocket **Edition** 2400

Presents a favorable review of the Pocket **Edition** 2400 (\$179), a 2400-bps pocket **modem** from Hayes Microcomputer Products Inc., Atlanta, GA (404). The **modem** requires an RS-232 serial port and an RJ-11 jack. It requires no batteries, drawing **power** from the serial port to execute AT commands and getting **power** for all other functions from the phone jack. It is very small and light, but is a bare-bones **modem**, lacking a speaker, data compression, error control, or indicator lights. It is bundled with SmartcomEZ...

... choice for providing convenient access to e-mail for users who always call on conventional **analog** phone lines (some **digital** lines do not supply enough **power** to run the **modem**). Includes one photo. (djd)

Descriptors: **Modem** ; Hardware Review

Identifiers: Pocket **Edition** 2400; Hayes Microcomputer Products

21/3,K/10 (Item 10 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2001 Info. Today Inc. All rts. reserv.

00238025 91CO04-010

**Modems make easy Master the mysteries of modem speeds**

Banks, Michael A

COMPUTE! , April 1, 1991 , v13 n4 p40-44, 4 Pages

ISSN: 0194-357X

**Modems make easy Master the mysteries of modem speeds**

Explains **modem** **transmission** speed. Says that bits per second is a measure of the number of data bits **transmitted** each second in a communications channel, while baud rate is a measure of the number of times per second a signal in a communications channel varies, or **changes** states. Says a more effective way of thinking about text data transfer is characters per second, the number of characters **transmitted** by the **modem** in one second. Contains a side-bar article called 'Analog vs. digital signals.' Contains one graph. (vl)

Descriptors: **Modem** ; Data Communication; Data **Transmission** ; Tutorial

21/3,K/11 (Item 11 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2001 Info. Today Inc. All rts. reserv.

00147088 87PK07-307

Digital - transmission **services** provide higher quality, speed: Phone

**companies offer alternative to analog lines**  
Hindin, Eric  
PC Week , Jul 28 1987 , v4 n30 pC/1+, 3 Pages  
ISSN: 0740-1604

Digital - transmission **services provide higher quality, speed: Phone companies offer alternative to analog lines**

Notes most phone companies will lease lines to carry **digital transmission** . States these services are available from both local and long distance companies. Says **digital transmission** is faster and higher quality than **analog** ; in some applications it might be cheaper. Discusses equipment that will **transmit** voice over **digital** lines, allowing companies to use fewer lines. Sidebar compares **analog** to **digital** leased line costs for three routes. Includes one illustration of Racal-Vadic **digital transmission** device.

Descriptors: DATA **TRANSMISSION** ; **MODEM**

21/3,K/12 (Item 1 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2001 Info.Sources Inc. All rts. reserv.

00092061 DOCUMENT TYPE: Review

**PRODUCT NAMES: Company - Microsoft Corp (850195)**

**TITLE: Microsoft unleashes CTI strategy**  
**AUTHOR: Wolfe, Alexander**  
**SOURCE: Electronic Engineering Times, v891 p1(2) Mar 4, 1996**  
**ISSN: 0192-1541**  
**HOME PAGE: http://www.eet.com**

**RECORD TYPE: Review**

**REVIEW TYPE: Company**

**REVISION DATE: 20001230**

...s computer-telephony integration strategy. To create PC-based PBXs, Microsoft plans to bring voice-modem , **Digital** Simultaneous Voice and Data (DSVD), and ISDN functions to Windows operating systems (OSs) in 1996. The Unimodem V specification defines new Windows 95 communications drivers supporting digitized voice data **transmission** . TAPI, already provided in Windows 95, will be part of the new Windows NT release, but DSVD, a specification that allows concurrent **transmission** of voice and data over **analog** voice lines, is probably the most important and powerful new technology to emerge. VoiceView uses 8KHz **analog** voice channels to provide **alternating** voice and data **transmission** , to enable PCs to operate as answering machines and telephones.

21/3,K/13 (Item 2 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2001 Info.Sources Inc. All rts. reserv.

00079693 DOCUMENT TYPE: Review

**PRODUCT NAMES: ShareVision PC3000 (389994)**

**TITLE: Sharevision PC3000: Face-to-Face Phone Conferencing**  
**AUTHOR: Kennedy, Randall C**  
**SOURCE: PC/Computing, v8 n7 p105(1) Jul 1995**  
**ISSN: 0899-1847**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

REVISION DATE: 19980530

...recommended, economically priced videoconferencing system, runs on a 486 platform with Windows 3.1 to **transmit** video over standard **analog** telephone lines. Such **transmission** is much less expensive than the Integrated Services **Digital** Network (ISDN) lines required for some systems. Set up is not complex, and the product is based on a Video Blaster RT300 **editing** board, which manages up to three RCA and one S-Video input channels. The included **digital** camera provides good contrast in office environments, but motion video is only of average quality...

...or application in real-time; files are distributed via a custom file transfer program that **transmits** using an included 28.8Kbps V.Fast Class **modem** ; Delrina's WinFax Lite fax software is also bundled.



File 16:Gale Group PROMT(R) 1990-2001/Mar 08  
(c) 2001 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 47:Gale Group Magazine DB(TM) 1959-2001/Mar 08  
(c) 2001 The Gale group  
File 80:TGG Aerospace/Def.Mkts(R) 1986-2001/Mar 08  
(c) 2001 The Gale Group  
File 111:TGG Natl.Newspaper Index(SM) 1979-2001/Mar 06  
(c) 2001 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2001/Mar 08  
(c)2001 The Gale Group  
File 88:Gale Group Business A.R.T.S. 1976-2001/Mar 09  
(c) 2001 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2001/Mar 08  
(c) 2001 The Gale Group  
File 570:Gale Group MARS(R) 1984-2001/Mar 08  
(c) 2001 The Gale Group

Set	Items	Description
S1	7635	ANALOG()MODEM?
S2	1583340	TRANSMIT? OR TRANSM? OR SEND?
S3	3281536	POWER OR ENERGY
S4	24076	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	3402594	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	6915017	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	4117893	LEVEL? OR AMOUNT? OR ALLOCATION
S8	69590	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	2659	DIGITAL()MODEM?
S10	516	EQUIVALEN?(3N)CLASSES
S11	200	S5(S)S6(S)S8(S) (S3 OR S4)
S12	95	S1(S)S2(S)S6
S13	367	S1(S)S9
S14	0	S11(S)S1
S15	3	S11(S)MODEM? ?
S16	9	S12(S)S3
S17	4	RD S16 (unique items)
S18	17	S13(S)S3
S19	2	S18(S)S6
S20	4	S17 NOT S19

15/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

06232098 Supplier Number: 54264986 (USE FORMAT 7 FOR FULLTEXT)

**NOTEBOOK.**

Television Digest, v39, n13, pNA  
March 29, 1999  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1709

(USE FORMAT 7 FOR FULLTEXT)

**TEXT:**

...ASCAP were unsuccessful." In filing, stations argued that reduced ASCAP fees were justified because of **changes** in TV programming that had resulted in use of less music in local and syndicated...

...said. Sen. Dorgan (D-N.D.) said Justice Dept. Antitrust Div. needs more resources to **evaluate** properly "megamergers" in communications and other industries. Saying deals are "alarming developments," he joined in...

...by WHWH(AM) Trenton and WBBO(FM) Monmouth County, Lucent spokesman said. Testing is to **measure** interference levels and coverage areas in different broadcast operating environments, he said, as well as to **evaluate** Lucent's Multist reaming technology. Nassau was interested in project, he said, in part because...lead managers on global bond offering. FCC agreed to extend comment deadlines for its low-**power** FM (microradio) rulemaking until June 1 (replies July 1), from original April 12 (May 12...

...substantial" extension should provide enough time for testing.  
Technology Notes: Rogers Cablesystems added Terayon cable **modems** and headend equipment to its supply base, parties said, with Rogers AtHome Vp Alek Krstajic citing Terayon's commitment to provide CableLabs-interoperable **modems** "as soon as possible." Terayon has agreements with MSOs covering 2/3 of Canadian market...

...against WJNY(AM) Jackson, Miss., to \$10,000 from \$18,000 for failing to reduce **power** to **required** night-time **levels** and for failure to maintain fencing to prevent unauthorized access. Signal strength was monitored by...

15/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

10923379 SUPPLIER NUMBER: 54264986 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**NOTEBOOK.**

Television Digest, 39, 13, NA  
March 29, 1999  
ISSN: 0497-1515 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1823 LINE COUNT: 00146

**TEXT:**

...ASCAP were unsuccessful." In filing, stations argued that reduced ASCAP fees were justified because of **changes** in TV programming that had resulted in use of less music in local and syndicated...

...said. Sen. Dorgan (D-N.D.) said Justice Dept. Antitrust Div. needs more resources to **evaluate** properly "megamergers" in communications and other industries. Saying deals are "alarming developments," he joined in...

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Lucent's Multist reaming technology. Nassau was interested in project, he said, in part because...lead managers on global bond offering. FCC agreed to extend comment deadlines for its low-power FM (microradio) rulemaking until June 1 (replies July 1), from original April 12 (May 12...

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...against WJNY(AM) Jackson, Miss., to \$10,000 from \$18,000 for failing to reduce **power** to **required** night-time levels and for failure to maintain fencing to prevent unauthorized access. Signal strength was monitored by...

15/3,K/3 (Item 1 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2001 The Gale Group. All rts. reserv.

03622892 SUPPLIER NUMBER: 16825428 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Allocating the local apportionment pie: what portion for resident aliens?**  
Goldfarb, Carl E.  
Yale Law Journal, 104, n6, 1441-1472  
April, 1995  
ISSN: 0044-0094 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 17916 LINE COUNT: 01477

... his anti-immigrant campaign, a key to his revived political fortunes. Wilson proposed, among other **measures**, stripping children of illegal aliens of their right to U.S. citizenship, barring children in...

...Al. (47.) B. Drummond Ayres Jr., Anti-alien Movement Spreading in Wake of California's **Measure**, N.Y. Times, Dec. 4, 1994, at A1 (noting that supporters of Proposition 187 movement...

...sections] 6 (1821), reprinted in Thorpe, supra, at 2639, 2641. In 1846, the plan was **revised** again by dropping the exclusion against paupers and increasing the number of Senate districts. Silva...

...revision was a political compromise, an effort to give New York and Kings Counties more **power** without giving them too much **power**. Counting all inhabitants would have greatly increased the political **power** of these counties, where many blacks and aliens lived; continuing to count only electors would...the United States or by any State on account of age."). (60.) Virtual representation is **required** at the federal level by the Enumeration Clause as amended by the Fourteenth Amendment. U.S. Const. art. 1...24. (74.) For the federal apportionment base, the rule follows from the Enumeration Clause as **modified** by the Fourteenth Amendment: Representatives and direct Taxes shall be apportioned among the several States...Gerald Gunther, The Supreme Court, 1971 Term-Foreword: In Search of Evolving Doctrine on a **Changing** Court: A Model for Newer Equal Protection, 86 Harv. L. Rev. 1, 8 (1972). (96...a high ranking, policymaking official"). (115.) Hull, supra note 105, at 26; Michael J. Perry, **Modern** Equal Protection, 79 Colum. L. Rev. 1023, 1064 (1979); David F. Levy, Note, The Equal...

...that they, like the state troopers involved in Foley, sufficiently partake of the sovereign's **power** to exercise coercive force over the individual that they may be limited to citizens."); see...

...lower court decision barring aliens from serving as grand jurors or petit jurors because of **power** jurors exercise over defendants); Skafte v. Rorex, 553 P.2d 830 (Colo. 1976) (holding that..

17/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08314321 Supplier Number: 70189707 (USE FORMAT 7 FOR FULLTEXT)  
**SMC Wireless Barricade Does It All.(StarBand update, Networking with  
StarBand, Q&A, and "My Broadband Story" round out this issue.)(Hardware  
Review)(Evaluation)**

Finnie, Scot  
WinMag.com, pNA  
Feb 8, 2001

Language: English Record Type: Fulltext Abstract  
Article Type: Evaluation  
Document Type: Magazine/Journal; Trade  
Word Count: 5294

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...with StarBandBroadband Q&AMy Broadband StoryLink of the Week - Da LAN  
TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your AddressGet up  
to speed on broadband data-transfer rates. SMC Wireless Barricade Does It  
...

...Barricade came through with flying colors on all three tests -- after I  
made one small **adjustment** . In fact, no product has done quite as well as  
the Barricade did in these...

...and they might as well all be visible. I highly recommend that SMC's  
engineers **change** this in a subsequent release of its firmware. It would  
make more sense to create...

...a 9-pin serial port on the back to which you might attach a conventional  
**analog modem** to be shared on the network. The parallel port provides  
the print server functionality. Two...worked perfectly for the first time  
ever.;.;.;.;Since this **change** and StarBand's server improvements, I'd have  
to say that StarBand has been operating...2-3 hrs. I later found out that  
the StarBand office in Georgia had a **power** outage. Another call to the  
tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions  
about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A  
company called Pegasus...

...with a one-year commitment and also opt for DirectTV satellite TV  
services, those prices **change** to \$399 and \$59.95 per month respectively.;  
.;.;.;I...been around for a couple of years, precisely because I just think  
the need for **analog modem** 56-kpbs dial-up makes it worthless. But, I  
should add right here, that I...

17/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08253441 Supplier Number: 69475958 (USE FORMAT 7 FOR FULLTEXT)  
**HEADLINE GOES HERE.(Everything you need to know about getting and using  
broadband Internet access.)**

Finnie, Scot  
WinMag.com, pNA  
Jan 24, 2001

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4729

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Q&A - Cable Modem and TVReader-to-ReaderLink of the Week -  
Bandwidthplace.comSubscribe, Unsubscribe, or **Change** Your AddressGet up to  
speed on broadband data-transfer rates.One-Year AnniversaryCongratulations  
to us...

...please make a point to use your e-mail program's Mail Forward command to  
**send** it a friend whom you think would also benefit from it? Please add  
your own...machine in the near future, and I'll report back on whether that  
makes a **change** .;;;;;So far, these problems are the kinds of things I...  
...at all. The modem's lights all show that my connection is operational.  
I've **power** cycled the modem (per tech support's directions) and also  
restarted Windows several times with...

...between the time you pressed down the gas pedal and the engine kicked in  
the **power** . The same is true of broadband satellite **transmission** .;;;;  
;Here's why. The satellite is thousands of miles out...

...high-speed ISP connection to the Internet, to the server on the Internet  
you were **sending** the request, and then the stream you requested has to  
make that entire trip back before you'll start seeing activity on your  
computer. It's a huge detour to **send** an Internet stream out into space  
and back again. Considering how far the signal travels...

...them. The same latency issue can give you the sense that your satellite  
connection is **alternating** between rapid **transmission** and temporary  
hesitations or dead moments. If you click, click, click on things, they  
will...kbps IDSL connection. I have to continue testing to be sure, but  
conversely, unless something **changes** , virtually any type of ADSL, SDSL,  
or two-way cable modem service would be noticeably...

...toll-free tech support, and online alerts and FAQs. StarBand does not  
offer a secondary **analog modem** dial-up service with nationwide points  
of presence as some other broadband ISPs do, but questions about it, **send**  
me an e-mail.Back to Top\$399.99 for StarBand Model 180 USB satellite...all  
the lines leading to the TVs. As I understand it, this device prevents  
upload **transmissions** from leaking into the cable TV signal, where they  
apparently disturb picture quality. I heard...

...it myself. If you can shine a far more informed light on this point,  
please **send** along the facts.;;;;;Splitting a cable line is easy. It...

...of signal strength and other variables. Fewer connections are better. By  
all means, make a **change** to add something cool like a TV-tuner-monitor.  
But do it smartly. It's...

17/3,K/3 (Item 3 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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07797587 Supplier Number: 65161539 (USE FORMAT 7 FOR FULLTEXT)  
**FreeDSL Success Stories.(Everything you need to know about getting and  
using broadband Internet access.)(Questions and Answers)**  
Finnie, Scot  
WinMag.com, pNA  
August 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4349

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...I Hate My Frickin' ISP!'Download of the Week - Win2000 Service Pack  
1Subscribe, Unsubscribe, or **Change** Your AddressWhat Broadband  
Data-transfer Rate Abbreviations MeanFreeDSL Success StoriesThis week I  
have not one...



hrs. I later found out that the StarBand office in Georgia had a **power** outage. Another call to the tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions about StarBand, **send** me an e-mail. Back to Top What About Two-Way DirecPC? A company called Pegasus...

[illegible]

19/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06393433 Supplier Number: 54813139 (USE FORMAT 7 FOR FULLTEXT)  
**Low-Power Connections.** (What's Hot) () (Brief Article) (Product Announcement)  
InformationWeek, p194  
June 7, 1999  
Language: English Record Type: Fulltext  
Article Type: Brief Article; Product Announcement  
Document Type: Magazine/Journal; Tabloid; General Trade  
Word Count: 98

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Mapletree Networks' 2100 Series **Digital Modem** Card is a highly scalable, low-power , universal port PCI adapter card for IP telephony and network-access applications. It can handle 12 to 120 simultaneous voice-over-IP, fax-over-IP, **analog modem** , and ISDN calls for up to five T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure when the traffic mix **changes** . Price: \$35 to \$60 per port.

19/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

11105324 SUPPLIER NUMBER: 54813139 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Low-Power Connections.** (What's Hot) () (Brief Article) (Product Announcement)  
InformationWeek, 194  
June 7, 1999  
DOCUMENT TYPE: Brief Article Product Announcement ISSN: 8750-6874  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 108 LINE COUNT: 00011

TEXT:

Mapletree Networks' 2100 Series **Digital Modem** Card is a highly scalable, low-power , universal port PCI adapter card for IP telephony and network-access applications. It can handle 12 to 120 simultaneous voice-over-IP, fax-over-IP, **analog modem** , and ISDN calls for up to five T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure when the traffic mix **changes** . Price: \$35 to \$60 per port.



20/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08314321 Supplier Number: 70189707 (USE FORMAT 7 FOR FULLTEXT)  
**SMC Wireless Barricade Does It All.** (StarBand update, Networking with  
StarBand, Q&A, and "My Broadband Story" round out this issue.) (Hardware  
Review) (Evaluation)

Finnie, Scot  
WinMag.com, pNA  
Feb 8, 2001

Language: English Record Type: Fulltext Abstract  
Article Type: Evaluation  
Document Type: Magazine/Journal; Trade  
Word Count: 5294

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...with StarBandBroadband Q&A My Broadband StoryLink of the Week - Da LAN  
TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your AddressGet up  
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...

...Barricade came through with flying colors on all three tests -- after I  
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the Barricade did in these...

...and they might as well all be visible. I highly recommend that SMC's  
engineers **change** this in a subsequent release of its firmware. It would  
make more sense to create...

...a 9-pin serial port on the back to which you might attach a conventional  
**analog modem** to be shared on the network. The parallel port provides  
the print server functionality. Two...worked perfectly for the first time  
ever.;;;;Since this **change** and StarBand's server improvements, I'd have  
to say that StarBand has been operating...2-3 hrs. I later found out that  
the StarBand office in Georgia had a **power** outage. Another call to the  
tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions  
about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A  
company called Pegasus...

...with a one-year commitment and also opt for DirectTV satellite TV  
services, those prices **change** to \$399 and \$59.95 per month respectively.;  
;;;I...been around for a couple of years, precisely because I just think  
the need for **analog modem** 56-kpbs dial-up makes it worthless. But, I  
should add right here, that I...

20/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

08253441 Supplier Number: 69475958 (USE FORMAT 7 FOR FULLTEXT)  
**HEADLINE GOES HERE.** (Everything you need to know about getting and using  
broadband Internet access.)

Finnie, Scot  
WinMag.com, pNA  
Jan 24, 2001

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4729

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Q&A - Cable Modem and TVReader-to-ReaderLink of the Week -

Bandwidthplace.comSubscribe, Unsubscribe, or **Change** Your AddressGet up to speed on broadband data-transfer rates.One-Year AnniversaryCongratulations to us...

...please make a point to use your e-mail program's Mail Forward command to **send** it a friend whom you think would also benefit from it? Please add your own...machine in the near future, and I'll report back on whether that makes a **change** .;;;;;So far, these problems are the kinds of things I...  
...at all. The modem's lights all show that my connection is operational. I've **power** cycled the modem (per tech support's directions) and also restarted Windows several times with...

...between the time you pressed down the gas pedal and the engine kicked in the **power** . The same is true of broadband satellite **transmission** .;;;;;Here's why. The satellite is thousands of miles out...

...high-speed ISP connection to the Internet, to the server on the Internet you were **sending** the request, and then the stream you requested has to make that entire trip back before you'll start seeing activity on your computer. It's a huge detour to **send** an Internet stream out into space and back again. Considering how far the signal travels...

...them. The same latency issue can give you the sense that your satellite connection is **alternating** between rapid **transmission** and temporary hesitations or dead moments. If you click, click, click on things, they will...kbps IDSL connection. I have to continue testing to be sure, but conversely, unless something **changes** , virtually any type of ADSL, SDSL, or two-way cable modem service would be noticeably...

...toll-free tech support, and online alerts and FAQs. StarBand does not offer a secondary **analog modem** dial-up service with nationwide points of presence as some other broadband ISPs do, but questions about it, **send** me an e-mail.Back to Top\$399.99 for StarBand Model 180 USB satellite...all the lines leading to the TVs. As I understand it, this device prevents upload **transmissions** from leaking into the cable TV signal, where they apparently disturb picture quality. I heard...

...it myself.. If you can shine a far more informed light on this point, please **send** along the facts.;;;;;Splitting a cable line is easy. It...

...of signal strength and other variables. Fewer connections are better. By all means, make a **change** to add something cool like a TV-tuner-monitor. But do it smartly. It's...

20/3,K/3 (Item 3 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

07797587 Supplier Number: 65161539 (USE FORMAT 7 FOR FULLTEXT)  
**FreeDSL Success Stories.(Everything you need to know about getting and using broadband Internet access.)(Questions and Answers)**  
Finnie, Scot  
WinMag.com, pNA  
August 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4349

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...I Hate My Frickin' ISP!'Download of the Week - Win2000 Service Pack 1Subscribe, Unsubscribe, or **Change** Your AddressWhat Broadband Data-transfer Rate Abbreviations MeanFreeDSL Success StoriesThis week I have not one...

...60-70 KB/sec compared to my best of 5KB/sec with a dial-up **analog**

**modem** . I expect that additional tweaking will pick up more speed. I'm quite satisfied and...

...60 a month for faster-than 384-kbps throughput, I would recommend FreeDSL as an **alternative** , at least until costs come down for the fastest speeds. I've been able to...on my network, as soon as I switched the range back, I was forced to **change** my PC's network settings and reboot. Otherwise, I was locked out of my own...

...with the others I've reviewed. Outbound VPN worked without the need for any settings **changes** at all. Optionally, the SOHO Telecommuter also provides network anti-virus, content filtering, VPN features...ZoneAlarm will have logging features that 2.1 currently lacks, as well as several other **changes**. ZoneLabs will probably also charge for this version. Last I heard price hadn't been...pretty happy with it. On Thursday of last week, Flashcom tech support asked me to **send** them my LiveCon log file, and I did. Because my problem was intermittent, I believe that **sending** the log file went a long way toward their keeping after my problems. Speaking of...recall it (which listed all 1400+ e-mail addresses in clear text again.) The original **sender** 's name was Michael O'Reilly.;;;; "This incident appears to...

20/3,K/4 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

TEXT:

...Barricade came through with flying colors on all three tests -- after I made one small **adjustment** . In fact, no product has done quite as well as the Barricade did in these...

[illegible]

outage. Another call to the tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions about StarBand, **send** me an e-mail. Back to Top What About Two-Way DirecPC? A company called Pegasus...

...with a one-year commitment and also opt for DirectTV satellite TV services, those prices **change** to \$399 and \$59.95 per month respectively. I...been around for a couple of years, precisely because I just think the need for **analog** **modem** 56-kpbs dial-up makes it worthless. But, I should add right here, that I...

File 624:McGraw-Hill Publications 1985-2001/Mar 08  
(c) 2001 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2001/Mar 04  
(c) 2001 San Jose Mercury News  
File 635:Business Dateline(R) 1985-2001/Mar 08  
(c) 2001 Bell & Howell  
File 647:CMP Computer Fulltext 1988-2001/Mar W1  
(c) 2001 CMP  
File 674:Computer News Fulltext 1989-2000/Feb W4  
(c) 2001 IDG Communications  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

Set	Items	Description
S1	1682	ANALOG()MODEM?
S2	387592	TRANSMIT? OR TRANSM? OR SEND?
S3	744966	POWER OR ENERGY
S4	4319	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	555257	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	1652507	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	1067275	LEVEL? OR AMOUNT? OR ALLOCATION
S8	11941	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	676	DIGITAL()MODEM?
S10	53	EQUIVALEN? (3N) CLASSES
S11	18	S5(S) S6(S) S8(S) (S3 OR S4)
S12	21	S1(S) S2(S) S6
S13	59	S1(S) S9
S14	0	S11(S) S1
S15	1	S11(S) MODEM? ?
S16	7	S12(S) S3
S17	4	S13(S) S3
S18	5	MODEM? ?(S) S3(S) S8
S19	4	S18 NOT (S15 OR S16 OR S17)
S20	4	RD S19 (unique items)

074562

**VPN RFP - Altiga**

Journal: Network World

Publication Date: May 10, 1999

Word Count: 2735 Line Count: 267

**Text:**

... for configuration, administration and monitoring. SNMP monitoring and alert reporting. Platform independent Altiga Monitoring Station (**revised** version available 10/99) for real-time statistics gathering with Performance reporting, Capacity planning and Trend Analysis. Redundant Load Sharing **power** supplies Redundant Fans Multiple image and configuration storage Temperature, Fan speed, Throughput and CPU utilization displays We understand...

... Altiga Networks VPN Concentrator is designed to be placed into the network infrastructure without forcing **changes** to the existing network. Users accessing the corporate network should be authenticated prior to gaining...

... and V2 along with MPPE will provide a high level of security. If an enhanced **level** of security is **desired**, PEMC can deploy the Altiga IPsec client. The client can be deployed without educating the... processing of an ASIC while at the same time being software based. As existing standards **change** and new standards become solidified, the DSP can be reprogrammed. As the world is continually...

... your investment in the install base. In addition, use of DSP technology allows Altiga to **modify** the core security engine to tailor operation specifically for the remote access VPN application. This...

... a device incorporates hardware encryption does not mean it has been optimized to provide the **level** of functionality **required** by the enterprise VPN. The Altiga VPN Concentrator has been architected as a VPN communications...

... for encryption method, and define and control access policies centrally allows PEMC to define the **level** of security **required** for your users without compromise. Altiga recommends the highest level of encryption for all users...

... 200,000 hours. The unit is equipped with dual flash, redundant fans, load sharing redundant **power** supply option and with the ability to support multiple hardware encryption modules. Even with this...

... communicate with each other. The units are continuously monitoring the health of the other. Upon **detection** of a failure of the primary unit, the backup unit will assume the identity of... the unit. Roles can be defined to limit who has the ability to make configuration **changes**, can view statistics and configurations, and view connection status including protocol used, time of connection...

... an increased level of security. All of the clients can continue to use their existing **modems** to connect to your desired ISP for tunneled connectivity to the corporate resources. We recommend...

... requiring large amounts of bandwidth be migrated to broadband connections. Broadband connectivity such as cable **modems** and DSL are economically viable and will reduce telecommuter connection time while increasing productivity. The...

16/3,K/1 (Item 1 from file: 674)  
DIALOG(R) File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

073375

**Fast access**

**Speedy, scalable and easy to operate - the competition heats up among enterprise-class remote access servers.**

Byline: JASON VAN CLEVE AND IVAN CHU

Journal: Network World Page Number: 44

Publication Date: March 29, 1999

Word Count: 2154 Line Count: 208

**Text:**

... area of scalability. It tops out at 96 analog calls and has only a single **power** supply. By contrast, 3Com's Total Control Multiservice Access Platform with HiPer Access System has a rated capacity of 360 simultaneous analog calls and two hot-swappable **power** supplies. The Total Control system also has superior management features, including its optional EdgeServer Pro...

... giving you scant status information. Ascend also lacks modular flexibility because it has only one **power** supply. 3Com's Total Control system provides the highest level of versatility with its built...

... and AppleTalk support was not available, and the unit was equipped with only a single **power** supply. An optional VPN management card was unavailable for this review. Monitoring and managing Enhanced management...

...them remotely. Overall, the menu-driven software of Ascend's Max 6000 is an effective **change** from the traditional command-line approach. However, many of the commands are buried several layers...as the maximum number of simultaneous users is redundancy, including hot-swappable components and multiple **power** supplies. As mentioned, scalability is not a strong point of Ascend's Max 6000, which...

... modem cards including HiPer DSP (dual/single) PRI/T-1/E-1, channelized 24-port **analog modems**, 56K bit/sec Quad modems and HiPer Arc Routers. Geared more toward the service provider...

... 1 cards. The supporting modems occupy the remaining six slots. The unit has two nonswappable **power** supplies. Ericsson's Tigris 3-Slot also supports 96 analog connections using its modular concentrator...

... horizontally. The industrial-strength chassis, which looks like a PC, comes with two hot-swappable **power** supplies. However, Cabletron's modem cards are not hot-swappable. NBase-Xyplex's EdgeBlaster was...

... questions and help troubleshoot any problems we encountered. Only Intel and NBase-Xyplex did not **send** a technician. In both cases, however, we had no trouble getting the units up and...what most mid-size to large enterprises require, but it's backed by a redundant **power** supply and hot-swappable cards. However, you'll sacrifice throughput for scale with the PortMaster...

16/3,K/2 (Item 2 from file: 674)  
DIALOG(R) File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

073372

**Remote access: Have it your way**

**Choose from sophisticated boxes or build your own remote access device with drop-in server cards.**

Byline: TIM GREENE

Journal: Network World Page Number: 43

Publication Date: March 29, 1999

Word Count: 943 Line Count: 89

Text:

In the remote access arena, the more things **change** , the more they stay the same. Vendors continue to increase port capacity, improve security and ...

... Rate Interface lines, they can make 128K bit/sec connections; if not, they can use **analog modems** . All those surveyed support V.90, enabling 56K bit/sec downloads to remote users who...

...In addition, all the remote access devices can use a single phone number to handle **analog modem** and ISDN calls. The boxes detect whether a call is analog or ISDN and respond...

... the servers and server board products compress data traffic so remote users spend less time **sending** and receiving data, which can save on phone costs. Most of the vendors employ hardware...

...for buyers of the chassis-based products. Look for hot-swappable boards, modems, WAN interfaces, **power** supplies, cooling fans and daughterboards. Among the vendors in our survey, 3Com, Assured Access Technology...

... devices. Most of the cards feature onboard processors to handle calls without sapping the processing **power** of the server's CPU. The number of dial-up sessions each card can support...

...expect direct-dial will be with us for quite a while. Greene is a senior **editor** at Network World. He can be reached at tgreene@nww.com.

16/3,K/3 (Item 3 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

069182

#### It's Access Stupid

**BANDWIDTH is Exploding in WAN and campus backbones. Now if we could just resolve this little access problem . . .**

Byline: TIM GREENE

Journal: Network World Page Number: 89

Publication Date: September 28, 1998

Word Count: 1781 Line Count: 154

Text:

... in a winner-take-all battle for dominance. But don't count out well-established **alternatives** such as **analog modems** , which have been boosted to support speeds up to 56K bit/sec, and ISDN. In...

...Gartner Group projects that by 2004, half of remote access will still be done by **analog modems** , with ISDN grabbing more than 30% and the rest being shared by DSL, cable modems...

...to buy. The problem comes after you own the DSL modem for your end, then **change** carriers. The modem you own might not work with the equipment your new provider uses...

... installed. DSL has already turned out to be a fast, inexpensive and reliable remote access **alternative** for Bill Yundt, vice president of network operations for WebTV. The DSL service WebTV buys...

... offer no cable modem service or use a technology that requires the remote user to **send** uploads via a regular phone line. But in areas where cable modems are available, they...agree is the theoretical speed limit of 56K bit/sec. ISDN, the digital dial-up **alternative** , stretches the bandwidth a phone line can handle to 128K bit/sec. The beauty of **analog modems** is that they are so flexible. They can work from any phone, anywhere in the...

... U.S. public phone networks because of a Federal Communications Commission limit on how much **power** carriers can use on phone lines. Like



so many network technologies, 56K bit/sec modems...

... sec modem.Northwest Multiple Listing Service in Kirkland, Wash., is among those companies for which **analog modems** still make the most sense."Anywhere that there is an analog phone line, people can...

16/3,K/4 (Item 4 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

068061

**There's no stopping IP**

Byline: Susan Breidenbach

Journal: Network World Page Number: 35

Publication Date: August 10, 1998

Word Count: 4718 Line Count: 437

**Text:**

... that provides IP telephony services to carriers. "When we packetize voice, we are using computing **power** at or near end points to avoid using network bandwidth. And following Moore's Law...

...and telcos around the world. "Every bill costs the phone companies \$1 to \$2 to **send** and takes a similar hit on the receiving side. And users also have to bear...

... is a huge savings to be realized on both sides by converging networks and services." **Change** of heartThat's a significant **change** in thinking from just a few years ago when IP telephony was first introduced. The...IP telephony is not about arbitrage of high-priced PSTN services and low-priced IP **alternatives**. Traditional voice service for corporate customers is down to 3 cents per minute, and time...

... to toll booths that IP telephony can bypass. This government-induced distortion could disappear or **change** overnight, but meanwhile it is providing a first-stage thrust to convergence (see story, page...

... story, page 60). Remotely located co-workers can work on a draft together instead of **sending** around various versions by e-mail."Once people experience this and see how much more...are on at least as steep a price/performance curve as electronics. Fiber purity and **transmission** quality are improving, so signals can go much farther before requiring amplification or regeneration. That...couple of years. There will still be a vast number of people coming in over **analog modems**, and those calls will have to be circuit- switched."The winner will be the service...

...the availability of increasingly cheaper bandwidth means it doesn't cost that much more to **send** something across the country than across town, even on circuit-switched networks.Traditional telcos are...

... IP telephony equipment costs about \$1,000 per line, compared with \$150 for analog lines. **Transmission** is cheaper, but the end-point equipment is still a lot more expensive."The cost...reliability for added flexibility. Users interface with them through general-purpose PCs that are constantly **changing**. "How many people haven't rebooted their desktops this year?" asks John Hart, chief technology...

...by using private network segments to avoid congested areas on the public Internet. However, such **transmissions** don't get the full economic benefit of using the public backbone. Some say a...

16/3,K/5 (Item 5 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
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062277

## In search of 56K

### Buyer's Guide

Review: Authorware 4 Interactive Studio

Byline: Chris DeVoney

Journal: Computerworld Page Number: 77

Publication Date: September 29, 1997

Word Count: 1211 Line Count: 110

#### Text:

... offer download speeds as fast as 56K bit/sec., almost twice the speed of current **analog modems**. That offers the tantalizing promise of faster World Wide Web browsing and file and program...

... an analog signal at a telephone company's local switch. Because those digital channels can **send** up to 56,000 signaling bits per second into the analog channel, you can have...

... 53K bit/sec. speeds in the U.S. because of Federal Communications Commission restrictions on **power** usage. We gathered X2 and 56K bit/sec. modems from several manufacturers. For X2, we...

... the average connection speed up to 44K bit/sec. **CONSISTENCY** Although both types of modems **adjust** speeds up or down based on **changing** line conditions, the speed usually remains the same throughout the call. During our throughput tests...the equipment must be replaced. In those cases, the cost/benefit analysis must consider that **changeover**. In all, 56K bit/sec. technology can benefit many users. Just don't set your...

16/3,K/6 (Item 6 from file: 674)

DIALOG(R) File 674:Computer News Fulltext

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047811

## LAN access worlds CONVERGE

### Buyer's Guide

Once-competing vendor camps are now borrowing from each other as business and Internet communities find common ground.

Byline: Tony Croes

Journal: Network World Page Number: 57

Publication Date: October 30, 1995

Word Count: 2153 Line Count: 201

#### Text:

... access device to support a single node at a time or multiple remote nodes simultaneously. **Alternatively**, you might prefer to have a dial-up router connect to a central-site LAN...

...get by with one port for every 10 users. But keep in mind that some **power** telecommuters will require their own port. If you need to support a very large number...

...Rate Interface circuit. The Ascend, Shiva and 3Com servers have an added capability to support **analog modem** calls over the PRI link using digital modem technology. This allows the telephone company to...based remote nodes is the Password Authentication Protocol (PAP), which requires the remote node to **send** an unencoded user ID and password. The remote LAN access device validates those pieces of...

... a variant of the Challenge Handshake Authentication Protocol (CHAP). With CHAP, the remote access server **sends** a unique 16-character code called a challenge to the remote user each time a...

...such as the SecureID card from Security Dynamics, Inc. In this approach, the server still **sends** a challenge but the remote user must enter information into the third-party security device...

... enable you to swap out failed boards and support some form of redundant interfaces and **power** supplies. If you're considering a software-based product, it'll be well worth the...

... hardware supports a bunch of fault-tolerant features, including dual load-sharing and hot-swappable **power** supplies, a dedicated management processor and intelligent environmental monitoring. Other features deal with remote access...

16/3,K/7 (Item 7 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

043467

#### OPENING THE DOOR TO ISDN

##### NetworkWorld Review

These four devices - 3Com's Impact, IBM's WaveRunner, Digi International's DataFire and ISDNtek's Cyberspace Internet - turn a stroll on the Internet into a quick dash for data.

Byline: Bob Larribeau

Journal: Network World Page Number: 48

Publication Date: April 03, 1995

Word Count: 3052 Line Count: 270

#### Text:

... of its configuration parameters, including those set by the DOS utility, can be viewed and **modified** using AT commands through a terminal emulator. We used NetManage's Internet Chameleon configured for...

... required a phone call to 3Com's technical support staff to find out how to **change** NetManage's SLIP.INI to get Internet Chameleon and Impact to work together. The Windows DataFire required a lot of manual effort. We had to manually **modify** the CONFIG.SYS and the AUTOEXEC.BAT to load the required drivers, and manually create...

... use. Employing DataFire for Internet access with PPP really does not show off its full **power**. But when DataFire is used with other Digi International products in a communications server for...

...converts them to synchronous PPP. The board has three switch blocks that are used to **change** the communications port and direct memory access parameters. The modem emulation makes it easy to...

... described for the ISDNtek board below. IBM also has recently introduced WaveRunner PCMCIA ISDN Or **Analog Modem** with a list price of \$595. It includes all of the ISDN capabilities of the...

...INI file to communicate configuration information to Internet Chameleon. It was also necessary to manually **modify** the SYSTEM.INI and the CONFIG.SYS in order to reserve 16K bytes needed by... The Internet Engineering Task Force, which defines the TCP/IP standards, has defined techniques for **sending** TCP/IP and other networking protocols over an ISDN line based on PPP. We used...

... and supports both V.120 and V.34bis modem. Also, you can use WaveRunner to **send** and receive faxes, as well as to call modem-based data communications systems,

?

17/3,K/1 (Item 1 from file: 635)  
DIALOG(R) File 635:Business Dateline(R)  
(c) 2001 Bell & Howell. All rts. reserv.

0866921 98-27284

**Corporate profile for VersaNET Communications**

Anonymous

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 971114

WORD COUNT: 486

DATELINE: Diamond Bar, CA, US, Pacific

TEXT:

...fully integrated and complete systems at an affordable price. They include up to 48/60 **digital modems**, a router, a terminal server, two channelized T1/E1/PRI interfaces, and two high-speed...

...be stand-alone.

The ISP-Accelerator(tm) 2002 has the added benefit of dual redundant **power** supplies. Both **power** supplies and modem cards are hot swappable. VersaNET's Remote Access Server solutions yield a smooth transition from the stand-alone analog technology to **digital modems**.

AccelNET(tm) SOHO Routers

The AccelNET router family provides Internet Service Provider with six models...

...family combines a LAN

connection, router and depending on the model can have multiple bonded **analog modems**, ISDN/BRI and/or IDSL in a single unit.

AccelNET(tm) is fully compatible with...

17/3,K/2 (Item 1 from file: 647)  
DIALOG(R) File 647:CMP Computer Fulltext  
(c) 2001 CMP. All rts. reserv.

01193433 CMP ACCESSION NUMBER: IWK19990607S0068

**Low-Power Connections** (What's Hot)

INFORMATIONWEEK, 1999, n 737, PG194

PUBLICATION DATE: 990607

JOURNAL CODE: IWK LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Behind The News

WORD COUNT: 99

TEXT:

Mapletree Networks' 2100 Series **Digital Modem** Card is a highly scalable, low-**power**, universal port PCI adapter card for IP telephony and network-access applications. It can handle 12 to 120 simultaneous voice-over-IP, fax-over-IP, **analog modem**, and ISDN calls for up to five T1 or four E1 lines on one card...

17/3,K/3 (Item 1 from file: 674)  
DIALOG(R) File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

047811

**LAN access worlds CONVERGE**

**Buyer's Guide**

Once-competing vendor camps are now borrowing from each other as business and Internet communities find common ground.

Byline: Tony Croes

Journal: Network World

Page Number: 57

Publication Date: October 30, 1995  
Word Count: 2153 Line Count: 201

Text:

...get by with one port for every 10 users. But keep in mind that some ``**power**'' telecommuters will require their own port. If you need to support a very large number...

...Rate Interface circuit. The Ascend, Shiva and 3Com servers have an added capability to support **analog modem** calls over the PRI link using **digital modem** technology. This allows the telephone company to signal the server over the PRI's D...enable you to swap out failed boards and support some form of redundant interfaces and **power** supplies. If you're considering a software-based product, it'll be well worth the...

... hardware supports a bunch of fault-tolerant features, including dual load-sharing and hot-swappable **power** supplies, a dedicated management processor and intelligent environmental monitoring. Other features deal with remote access...

17/3,K/4 (Item 2 from file: 674)  
DIALOG(R) File 674:Computer News Fulltext  
(c) 2001 IDG Communications. All rts. reserv.

043467

#### OPENING THE DOOR TO ISDN

##### NetworkWorld Review

These four devices - 3Com's Impact, IBM's WaveRunner, Digi International's DataFire and ISDNtek's Cyberspace Internet - turn a stroll on the Internet into a quick dash for data.

Byline: Bob Larribeau

Journal: Network World Page Number: 48

Publication Date: April 03, 1995

Word Count: 3052 Line Count: 270

Text:

... and have targeted it for their products, as well. Impact The 3Com Impact ISDN External **Digital Modem** (originally known as the AccessWorks QuickAccess Remote) connects to a computer's serial port and...use. Employing DataFire for Internet access with PPP really does not show off its full **power**. But when DataFire is used with other Digi International products in a communications server for...

... streets. This should make DataFire an attractive product under Windows NT. WaveRunner IBM's WaveRunner **Digital Modem** is a solid performer in a full-size ISA bus card. It has an S...

... described for the ISDNtek board below. IBM also has recently introduced WaveRunner PCMCIA ISDN Or **Analog Modem** with a list price of \$595. It includes all of the ISDN capabilities of the WaveRunner **Digital Modem** ISA card, including its ability to support V.32bis and fax modem emulation over an...

?

20/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2001 Bell & Howell. All rts. reserv.

0531061 94-85746

**SystemSoft announces new software products for PCMCIA**

Sereiko, Paul

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 940919

WORD COUNT: 927

DATELINE: Natick, MA, US

TEXT:

...of the crucial impediments to the proliferation of mobile computing."

**CardPower**

CardPower extends system-level **power** management capabilities to PCMCIA slots. CardPower is specifically designed to provide two benefits: extended system...

...and increased reliability. With CardPower, inactive PCMCIA cards will be shut down to eliminate unnecessary **power** consumption. CardPower also offers local standby for **modems** and ATA drives, and save and restore features for PCMCIA **modems**. Fully Windows 3.1 compliant, CardPower provides an easy-to-use interface for custom PCMCIA **power** management control. The CardPower Windows applet lets users control the **desired level** of **power** conservation in order to extend battery life.

CardPower is based on the Power Management Coordinator...

20/3,K/2 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2001 CMP. All rts. reserv.

01217624 CMP ACCESSION NUMBER: EET20000619S0079

**Net access attains its own status**

Ravi Subramanian, Vice President of Systems Engineering, Randall Fahey,  
Vice President of Marketing, Morphics Technology Inc., Campbell,  
Calif., ravis@morphics.com, rfahey@morphics.com

ELECTRONIC ENGINEERING TIMES, 2000, n 1118, PG104

PUBLICATION DATE: 000619

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Communications - Focus: Wireless Traffic On Broadband

WORD COUNT: 1781

... phenomenon has been observed before in many wired and wireless broadband applications, ranging from cable **modems** and digital video broadcast (DVB), to digital subscriber line (DSL) **modems**. Because algorithmic complexity in those systems typically **required** an extraordinary **amount** of digital signal processing, system and chip designers were forced to move to application-specific solutions, or settle for higher cost and **power** budgets with more well-rounded, but generic, programmable signal processors.

Two solutions have been proposed...

20/3,K/3 (Item 2 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2001 CMP. All rts. reserv.

01168970 CMP ACCESSION NUMBER: LTH19980801S0005

**Lab Rat Report - Power Trip**

TELE.COM, 1998, n 309, PG1

PUBLICATION DATE: 980801

JOURNAL CODE: LTH LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Page One

WORD COUNT: 121

**TEXT:**

... really great things about traditional telephone service is that it doesn't disappear during a **power** failure. The same can't be said for cable-based phone service. After all, cable operators use residential **power** for their in-home devices, such as **modems** and set-tops, whereas phone companies draw their **power** from elsewhere. Simply sending voltage over the coaxial cables doesn't help. That might damage...

...siphon juice from the line before it harms anything. It also supposedly offers the higher **level** of lightning protection **required** of telephone systems.

**20/3,K/4 (Item 1 from file: 674)**

DIALOG(R)File 674:Computer News Fulltext

(c) 2001 IDG Communications. All rts. reserv.

048062

**J&L serves up winning remote access gear**

Byline: Mark Gibbs

Journal: Network World Page Number: 2

Publication Date: November 13, 1995

Word Count: 1100 Line Count: 105

**Text:**

... user from being accessed through a subsequent incoming remote connection. The technique senses when the **modem** attached to a board drops the DSR or DCD lines. The second patent is for the simple technique of ``busing-out'' the **modem** during the hard reset. This ensures that the board cannot be accessed during that procedure...

...a board can be replaced without downing the entire system. Similarly, as many as four **power** supplies can be ganged and hot-swapped as required. J&L's rack-and-board...

... Integrated with J&L's ChatView/SNMP for reporting and diagnostics, Intelli-Management reduces the **amount** of human intervention **required** to a minimum. ChatView/SNMP is an enhancement of the ChatView server management software J...

File 344:CHINESE PATENTS ABS APR 1985-2001/Feb  
(c) 2001 EUROPEAN PATENT OFFICE  
File 347:JAPIO Oct 1976-2000/Oct(UPDATED 010306)  
(c) 2001 JPO & JAPIO  
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200113  
(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	54	ANALOG()MODEM?
S2	1577947	TRANSMIT? OR TRANSM? OR SEND?
S3	1800244	POWER OR ENERGY
S4	247790	(VOLTAGE? OR VOLT) (10N) (LEVEL? OR OUTPUT? OR OUTFLOW? OR S- ETTING?)
S5	2360572	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	2437786	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	1428151	LEVEL? OR AMOUNT? OR ALLOCATION
S8	54386	S7(3N) (DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	127	DIGITAL()MODEM?
S10	25	EQUIVALEN? (3N) CLASSES
S11	1751	S5 AND S6 AND S8 AND (S3 OR S4)
S12	9	S1 AND S2 AND S6
S13	3	S1 AND S9
S14	0	S11 AND S1
S15	2	S11 AND MODEM? ?



12/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

06389658 \*\*Image available\*\*  
PHS DATA CONVERTING METHOD AND PHS DATA CONVERTING DEVICE

PUB. NO.: 11-331306 [JP 11331306 A]  
PUBLISHED: November 30, 1999 (19991130)  
INVENTOR(s): KOMATSU SHIGERU  
APPLICANT(s): NEC CORP  
APPL. NO.: 10-131586 [JP 98131586]  
FILED: May 14, 1998 (19980514)

#### ABSTRACT

... data communication call between a self-supporting PHS data terminal and a PSTN network without **changing** the specifications addition and connection procedure of a terminal side PIAFS on a self-supporting...

... a self-supporting PHS channel, identifies a voice call and a protocol conversion call and **transmits** voice data to a voice call processing part 22 in the case of a voice call. It **transmits** PIAFS data to a PIAFS signal processing part 24 in the case of a protocol...

...converting part 25 converts a PIAFS data signal processed by the part 24 into an **analog modem** signal and **transmits** the **analog modem** signal to an analog call controlling part 23. The part 23 makes a call connection request to a PSTN network 26 and after connection, **transmits** data undergoing protocol conversion in the part 25 to the network 26.

COPYRIGHT: (C)1999...

12/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

05941650 \*\*Image available\*\*  
TELETEXT IMAGE COMPOSITE INFORMATION **TRANSMISSION** METHOD AND TELETEXT  
IMAGE COMPOSITE INFORMATION **TRANSMITTER**

PUB. NO.: 10-224750 [JP 10224750 A]  
PUBLISHED: August 21, 1998 (19980821)  
INVENTOR(s): KOBAYASHI IKUO  
APPLICANT(s): TASUKO DENKI KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 09-131609 [JP 97131609]  
FILED: May 07, 1997 (19970507)

TELETEXT IMAGE COMPOSITE INFORMATION **TRANSMISSION** METHOD AND TELETEXT  
IMAGE COMPOSITE INFORMATION **TRANSMITTER**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a teletext image composite information **transmitter** in which a partial image is **transmitted** and information such as a size relating to the partial image is **transmitted**.

...  
... externally received image signal is given to an image information control section 3 and an **analog modem** 1, where the signal is converted into a low speed scanning TV signal receiving subcarrier...

... signal is outputted in succession to the digital information under the control of a modem **changeover** control section 4 and a mixture information discrimination section 5. On the other hand, the

12/3,K/3 (Item 3 from file: 347)

DIALOG(R) File 347:JAPIO

(c) 2001 JPO & JAPIO. All rts. reserv.

04111315 \*\*Image available\*\*

DTE FACILITY CONTROL SYSTEM USING AT COMMAND

PUB. NO.: 05-103015 [JP 5103015 A]

PUBLISHED: April 23, 1993 (19930423)

INVENTOR(s): AKIYOSHI KAZUMI

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)

APPL. NO.: 03-259269 [JP 91259269]

FILED: October 07, 1991 (19911007)

JOURNAL: Section: E, Section No. 1418, Vol. 17, No. 456, Pg. 114,  
August 20, 1993 (19930820)

#### ABSTRACT

... to the DTE (data terminal equipment) facility control system using the AT command in an **analog modem** or the like...

... registered, a means 11 identifying an AT command from a terminal equipment, a means 12 **editing** a **transmission** packet, and a means 13 imparting the DTE facility to a **transmission** packet, and a facility registered in the means 10 is imparted to an AT command...

12/3,K/4 (Item 4 from file: 347)

DIALOG(R) File 347:JAPIO

(c) 2001 JPO & JAPIO. All rts. reserv.

00450915

FACSIMILE INFORMATION COMPRESSION SYSTEM

PUB. NO.: 54-102915 [JP 54102915 A]

PUBLISHED: August 13, 1979 (19790813)

INVENTOR(s): TAKAYAMA SHOICHIRO

APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 53-008910 [JP 788910]

FILED: January 31, 1978 (19780131)

JOURNAL: Section: E, Section No. 145, Vol. 03, No. 125, Pg. 69,  
October 19, 1979 (19791019)

#### ABSTRACT

PURPOSE: To reduce the flag **transmission** time and thus to accelerate the **transmission** of the standard facsimile by giving the white ground jumping under the **analog MODEM** and expressing the flag in a double way to omit the large section having no...

...CONSTITUTION: In the facsimile **transmission** system using the **analog MODEM**, the picture signal is divided into minor sections of a fixed length, and the section...

... section to be used the pilot flag. The flag expressing the full white part is **changed** to the f(sub 0) flag featuring a fixed length of the zero-phase carrier...

... difference with the previous scanning, and the picture signal of the black containing part is **transmitted** directly to accelerate the **transmission** time.

12/3,K/5 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

013476175     \*\*Image available\*\*

WPI Acc No: 2000-648118/200063

XRPX Acc No: N00-480375

**Moving and static image data display system for streets and city squares,  
has video-panel display unit with separate panels for integrated  
whole-image display**

Patent Assignee: SCHOLZ B (SCHO-I); ZYGMANOWSKI A (ZYG-M-I)

Inventor: SCHOLZ B; ZYGMANOWSKI A

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19912382	A1	20000921	DE 1012382	A	19990319	200063    B

Priority Applications (No Type Date): DE 1012382 A 19990319

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 19912382	A1	5	G06F-003/14	

Abstract (Basic):

...     An image data display device for displaying image data available  
in a data **transmission** network, such as Internet etc., includes a  
video-panel display unit (1) based on 4...

...video-panel display unit (1), into the Internet, for which purpose a  
conventional computer, using **modified** UNIX-system soft wear, can be  
used.

...     Can display image (picture) data from an existing data  
**transmission** network (Internet etc) on a display device which can be  
installed at selected locations on...

...Long distance data **transmission** unit with ISDN or **analog**    **modem**    (5  
...

12/3,K/6     (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

012910339     \*\*Image available\*\*

WPI Acc No: 2000-082175/200007

XRPX Acc No: N00-065438

**PHS data conversion procedure for public switched telecommunication  
network circuit - has analog call controller to transmit converted  
analog    modem signal obtained from analog transducer, through PSTN  
network after establishing data communication mode**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11331306	A	19991130	JP 98131586	A	19980514	200007    B

Priority Applications (No Type Date): JP 98131586 A 19980514

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11331306	A	6	H04L-029/06	

... has analog call controller to transmit converted analog    modem  
signal obtained from analog transducer, through PSTN network after  
establishing data communication mode

...Abstract (Basic): processor (24) for protocol conversion. The output  
signal from signal processor is converted into an **analog**    **modem**  
signal by an analog transducer (25). An analog call controller (23)  
**transmits** the converted **analog**    **modem** signal onto a PSTN network  
after establishing data communication mode in PSTN network. DETAILED  
DESCRIPTION...

...PHS terminal so that the PHS terminal side and the PSTN network side are simultaneously **changed** into the data communication mode. An INDEPENDENT CLAIM is also included for PHS data converter...

...communication. Establishes PHS data communication call for self management. Performs protocol conversion between PIAFS and **analog modem**. Establishes high speed wireless communication. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram...

...Title Terms: **TRANSMIT** ;

12/3,K/7 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

009477745 \*\*Image available\*\*

WPI Acc No: 1993-171280/199321

XRPX Acc No: N93-131545

**DTE facility control method using AT commands in analog modem, etc.**  
- has registering unit of menu in relation to DTE facility in packet composing-decomposing function, discriminating unit of AT command from terminal side, editing unit of transmitting packet NoAbstract

Patent Assignee: FUJITSU LTD (FUJI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5103015	A	19930423	JP 91259269	A	19911007	199321 B

Priority Applications (No Type Date): JP 91259269 A 19911007

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 5103015	A	16	H04L-012/56	

**DTE facility control method using AT commands in analog modem, etc**

...

...**DTE facility in packet composing-decomposing function, discriminating unit of AT command from terminal side, editing unit of transmitting packet NoAbstract**

...Title Terms: **EDIT** ;

12/3,K/8 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

008719145 \*\*Image available\*\*

WPI Acc No: 1991-223164/199130

XRPX Acc No: N91-170331

**Automatic data restoration for modems - employing quality and restoration control to monitor line degradation and switching to new line**

Patent Assignee: CODEX CORP (RENI ); MOTOROLA INC (MOTI )

Inventor: SCHROEDER S; SRIDHAR M R

Number of Countries: 017 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9110308	A	19910711				199130 B
AU 9171721	A	19910724				199143
EP 509037	A1	19921021	EP 91902538	A	19910103	199243
			WO 91US60	A	19910103	
AU 636201	B	19930422	AU 9171721	A	19910103	199323
JP 5504665	W	19930715	JP 91502978	A	19910103	199333
			WO 91US60	A	19910103	
US 5274697	A	19931228	US 90460780	A	19900104	199401
			US 92826204	A	19920122	
			US 9320897	A	19930222	
CA 2070291	C	19950725	CA 2070291	A	19910103	199537

EP 509037	A4	19941228	EP 91902538	A	19910000	199544
EP 509037	B1	19990825	EP 91902538	A	19910103	199939
			WO 91US60	A	19910103	
DE 69131555	E	19990930	DE 631555	A	19910103	199946
			EP 91902538	A	19910103	
			WO 91US60	A	19910103	

Priority Applications (No Type Date): US 90460780 A 19900104; US 92826204 A 19920122; US 9320897 A 19930222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9110308	A	30		
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Designated States (National): AU CA JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

EP 509037	A1 E	30	H04M-011/00	Based on patent WO 9110308
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Designated States (Regional): BE DE FR GB

AU 636201	B		H04M-001/74	Previous Publ. patent AU 9171721
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Based on patent WO 9110308

JP 5504665	W		H04L-012/48	Based on patent WO 9110308
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US 5274697	A	12	H04M-011/00	Cont of application US 90460780
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Cont of application US 92826204

EP 509037	B1 E		H04B-001/74	Based on patent WO 9110308
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Designated States (Regional): BE DE FR GB

DE 69131555	E		H04B-001/74	Based on patent EP 509037
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Based on patent WO 9110308

CA 2070291	C		H04L-029/14	
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...Abstract (Basic): which selects which of the two leased lines supply the signal to input line of **analog modem** .

...Abstract (Equivalent): The method comprises monitoring the quality of **transmission** of first lines and deciding whether the quality of **transmission** on the first lines is degraded such that it falls below a first standard. Communication on the second lines is automatically established if the quality of **transmission** fails to meet the first standard...

...Data **transmission** is maintained on the first lines while establishing communication on the second lines. When the quality of **transmission** of the second lines exceeds a second standard, eg loss of carrier or having a predetermined number of retrains/resynchronisation, data **transmission** is automatically switched from the first lines to the second lines. The second standard is...

...carrier frequency determined by an analysis of a signal to noise spectrum over an entire **transmission** band...

...ADVANTAGE - Data **transmission** is maintained on leased line while communication is being established on dial line, so as not to disrupt data **transmission** . Communication is established across two dial lines to restore full-duplex **transmission** and energy is maintained on dial lines at times when data is not being **transmitted** to prevent **change** of channel on dial line...

12/3,K/9 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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007667372 \*\*Image available\*\*

WPI Acc No: 1988-301304/198843

XRFX Acc No: N88-228674

**ADPCM encoding-decoding system e.g. for voice communication - provides successive, adaptive and predictive estimates of data signal and encodes and decodes signal at low bit rate**

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID )

Inventor: HOSODA K; KAWAGUCHI S; SHINBO A; YOKOTA K

Number of Countries: 008 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 288281	A	19881026	EP 88303599	A	19880421	198843 B
JP 63263831	A	19881031	JP 8796298	A	19870421	198849
US 4860315	A	19890822	US 88184082	A	19880420	198942
CA 1291824	C	19911105				199151
EP 288281	B1	19930901	EP 88303599	A	19880421	199335
DE 3883588	G	19931007	DE 3883588	A	19880421	199341
			EP 88303599	A	19880421	

Priority Applications (No Type Date): JP 8796298 A 19870421

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 288281	A	E	28		
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Designated States (Regional): DE FR GB NL SE

US 4860315	A		18		
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EP 288281	B1	E	32	H03M-003/04	
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Designated States (Regional): DE FR GB NL SE

DE 3883588	G			H03M-003/04	Based on patent EP 288281
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...Abstract (Basic): USE/ADVANTAGE - Voice communication, **analog** **modem** communication. **Transmits** high speed modem signals, avoiding freeze out of input tracks.

...Abstract (Equivalent): an adaptive-pole predictor (71,127) of an arbitrary order for receiving the difference signal **modified** by the adaptive-zero predictor (65,121) and generating estimates of input signals with time..

13/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

05941650 \*\*Image available\*\*  
TELETEXT IMAGE COMPOSITE INFORMATION TRANSMISSION METHOD AND TELETEXT IMAGE  
COMPOSITE INFORMATION TRANSMITTER

PUB. NO.: 10-224750 [JP 10224750 A]  
PUBLISHED: August 21, 1998 (19980821)  
INVENTOR(s): KOBAYASHI IKUO  
APPLICANT(s): TASUKO DENKI KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 09-131609 [JP 97131609]  
FILED: May 07, 1997 (19970507)

#### ABSTRACT

... externally received image signal is given to an image information control section 3 and an **analog modem 1**, where the signal is converted into a low speed scanning TV signal receiving subcarrier frequency modulation. Furthermore, digital information relating to an image received externally is given to a **digital modem 2**, where the information is subject to subcarrier frequency modulation and the low speed scanning...

13/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

01610668 \*\*Image available\*\*  
FACSIMILE TRANSMISSION SYSTEM

PUB. NO.: 60-089168 [JP 60089168 A]  
PUBLISHED: May 20, 1985 (19850520)  
INVENTOR(s): AMAMIYA TAKESHI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-197426 [JP 83197426]  
FILED: October 21, 1983 (19831021)  
JOURNAL: Section: E, Section No. 344, Vol. 09, No. 234, Pg. 142,  
September 20, 1985 (19850920)

#### ABSTRACT

... processing section. The processing section 3 functions a digital facsimile signal processing system combining a **digital MODEM4**, the reading section 1 and the recording section 2 in the binary mode and an...

... execute a transmission procedure. The initial command and response signal are executed by using the **digital MODEM4** and the control section 9, and the signal is switched into the analog form in the picture information transmission and a switching **analog MODEM5** and the control section 9 execute the processing.

13/3,K/3 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

013627823 \*\*Image available\*\*  
WPI Acc No: 2001-112031/200112  
XRPX Acc No: N01-082310

**Additional telecommunication services providing system for hotels, has line interface module with A/D converter for converting analog modem data into digital modem data which is processed to generate data packets**

Patent Assignee: WAYPORT INC (WAYP-N)  
Inventor: STEWART B B; THOMPSON J W

Number of Countries: 091 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200067458	A1	20001109	WO 2000US11541	A	20000426	200112 B
AU 200046782	A	20001117	AU 200046782	A	20000426	200112

Priority Applications (No Type Date): US 2000557469 A 20000425; US 99302588 A 19990430; US 99304138 A 19990503

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200067458	A1	E 104	H04M-011/06	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200046782	A		H04M-011/06	Based on patent WO 200067458
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**... services providing system for hotels, has line interface module with A/D converter for converting analog modem data into digital modem data which is processed to generate data packets**

Abstract (Basic):

... A line interface module (332) receives an **analog modem** data from a telephone (334B). The module includes an A/D converter which converts the received modem data into a **digital modem** data. The **digital modem** data is then processed by a processor to generate data packets which are then transmitted...

... The data packets comprises internet protocol packets or ethernet packets consisting of **digital modem** data and telephony signals or digital data signals. An INDEPENDENT CLAIM is also included for..



15/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

012913568 \*\*Image available\*\*  
WPI Acc No: 2000-085404/200007  
XRPX Acc No: N00-066933

**Communication executing method for data processing system in internet**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BERSTIS V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5995598	A	19991130	US 97797075	A	19970210	200007 B

Priority Applications (No Type Date): US 97797075 A 19970210

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5995598	A	13	H04M-011/00	

Abstract (Basic):

... The **modem** is configured to transmit and receive signals on the telephone conductor by adding the signals to existing **voltage** . The signals comprising maximum voltage **level** which is below **threshold** of 1 V. The threshold is less than or equal to the difference between existing...

... A **modem** in the data processing system is connected to telephone conductor. Existing voltage in the telephone conductor indicating that no communication device connected to the telephone conductor is off-hook, is **detected** . An INDEPENDENT CLAIM is also included for apparatus for enabling communication between data processing system...

...The hardware may be designed to automatically **adjust** to **changes** in **voltage level** , so that data transmission may continue even when attached receiver is lifted off-hook or incoming call is received. Since both transmitting and receiving stations experience the same **voltage level changes** approximately. Simultaneously, the communication circuits may automatically adapt to such **changes** with minimal loss of data transmission time. The data signals for phone line LAN may...

...manner, including AM, FM or PSK modulation. Thus, existing LAN communication circuits may be readily **modified** to provide the necessary signaling and receiving resources...

...The figure shows the operational **voltage levels** of phone line LAN...

15/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

011999784 \*\*Image available\*\*  
WPI Acc No: 1998-416694/199836  
XRPX Acc No: N98-324486

**Receiver for central terminal of wireless telecommunications system receiving signals from subscriber terminals - uses reference signal having temperature independent signal parameter which is inserted into signal input path for processing circuit, and adjusts gain of processor according to detected parameter**

Patent Assignee: DSC TELECOM LP (DSCT-N)

Inventor: CLIFTON J C

Number of Countries: 080 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2322490	A	19980826	GB 973419	A	19970219	199836 B

WO 9837711 A2 19980827 WO 98US2056 A 19980204 199840  
AU 9861430 A 19980909 AU 9861430 A 19980204 199905

Priority Applications (No Type Date): GB 973419 A 19970219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

GB 2322490 A 30 H04B-001/06

WO 9837711 A2 E H04Q-007/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE  
IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9861430 A H04Q-007/00 Based on patent WO 9837711

... **temperature independent signal parameter which is inserted into signal input path for processing circuit, and adjusts gain of processor according to detected parameter**

...Abstract (Basic): A **detector** (190) **detects** the reference signal parameter of the reference signal, in response to which a gain controller (200) **adjusts** the gain of the first processing circuit to cause the reference signal parameter **detected** at the **detector** to be a preset reference signal parameter. A filter (210) then removes the reference signal...

...it, can be automatically calibrated so that signal received at central terminal antenna at specified **power level** will produce output signal from receiver at **desired voltage level**, without taking central terminal out of commission, when e.g. new **modem** shelf is added to central terminal to increase its capacity...

...Title Terms: **ADJUST** ;